
PHASE II ENVIRONMENTAL BASELINE SURVEY OF McCORMICK RANCH, KIRTLAND AIR FORCE BASE, NEW MEXICO

Part 2 of 5

**Grace Hagaraty
Jeff Johnson
Pete Middlebrooks**

**GRAM, Inc
8500 Menaul Blvd NE
Albuquerque, NM 87112**

31 January 1996

Final Report

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**PHILLIPS LABORATORY
Support Directorate
AIR FORCE MATERIEL COMMAND
KIRTLAND AIR FORCE BASE, NM 87117-5776**

PL-TR-95-1042

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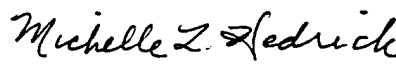
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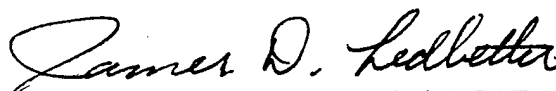
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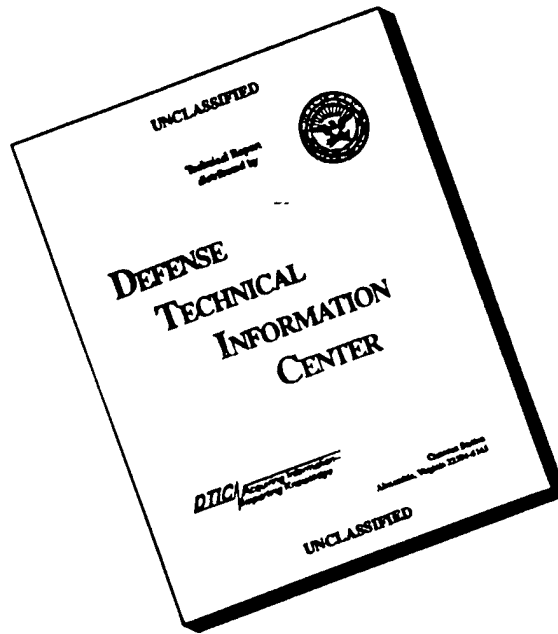

CARLA J. DOGGETT
Project Manager

FOR THE COMMANDER


MICHELLE L. HEDRICK, GS-13
Chief, Safety & Environmental
Office


JAMES D. LEDBETTER, Col, USAF
Director, Support Directorate

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6. Author(s) Grace Hagaraty, GRAM, Inc. Jeff Johnson, GRAM, Inc. Pete Middlebrooks, LATA				5c. Project # 9993	
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13. Supplementary Notes Work done in association with Los Alamos Technical Associates					
14. Abstract The Phase II EBS results document the extent of environmental contamination believed to be present on McCormick Ranch. Explosive test areas having the greatest potential for containing soil contaminants were identified using the following geophysical survey methods: EM 31 terrain conductivity meter, magnetometer/gradiometer, and ground penetrating radar. From the geophysical surveys five areas were selected to conduct further environmental analysis. A total of 310 soil samples were collected from the five areas and 13 specific high explosive test sites. The samples were screened for semi-volatile organic compounds, PETN, TNT, TNT-degradation products, nitrates and radioactivity. Laboratory analyses were performed and no explosives or degradation products were identified. Semi-volatile organic compounds were found in 2 samples, manganese was detected in 3 samples, nitrates were discovered below soil action levels and radiation levels were below background. Consequently, it is unlikely that significant contamination exists.					
15. Subject Terms McCormick Ranch, Environmental Baseline Survey, Contamination					
16. Report Unclassified		17. Abstract Unclassified		18. This Page Unclassified	
		19. Limitation of Abstract Unlimited		20. # of Pages 214	
				21. Responsible Person (Name and Telephone #) Michelle Hedrick 505-846-4574	

SURVEYING RESULTS

PT. NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1436164.750000	404472.100000	5264.140000	START
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USGSWELL1002				
602	1437492.460290	399927.392450	5253.641770	
USGSWELL1003				
604	1439798.923880	399639.264330	5254.260600	
USGSWELL1004				
605	1441813.145260	402755.095340	5269.153240	
USGSWELL1005				
610	1436176.299320	399137.259460	5252.635290	
BRASSCAP-MP6				
611	1436170.322500	401784.333290	5251.033820	
BRASSCAP-MP6.5				
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SIL0				
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701	1437620.361180	402416.526630	5251.627040	TR2 N-S SW
702	1437627.494500	402420.404500	5251.317120	TR2 E-W SE
703	1437632.955860	402409.255150	5251.197240	TR2 E-W SW
704	1437637.666170	402411.425820	5251.192600	TR2 E-W NW
705	1437632.199170	402423.276600	5251.009760	TR2
706	1437625.496000	402424.573010	5251.277900	TR2
710	1437408.804840	402675.685620	5251.219980	TR1 E-W SW
711	1437413.108670	402675.990090	5251.419850	TR1 E-W NW
712	1437412.627450	402691.091560	5251.172600	TR1 E-W SE
713	1437415.181980	402690.020690	5251.053930	TR1 E-W NE
714	1437416.082260	402692.593660	5251.062890	TR1 N-S SE
715	1437430.437540	402685.466210	5251.195560	TR1 N-S NW
716	1437431.401130	402688.417720	5251.205830	TR1 N-S NE
720	1440473.110450	401608.786320	5256.573980	TR3 N-S SW
721	1440472.658760	401612.265940	5256.562880	TR3 N-S SE
722	1440487.667620	401615.254960	5256.856680	TR3 N-S NE
723	1440488.315400	401611.919450	5256.428130	TR3 N-3 NW
724	1440489.621710	401610.963020	5256.488160	TR3 E-W NE
725	1440486.462830	401609.465760	5256.508690	TR3 E-W SE

726	1440489.913090	401595.839190	5256.356790	TR3	E-W	SW
727	1440493.276460	401596.841720	5256.336900	TR3	E-W	NW
730	1440881.177150	403344.216190	5265.870250	TR4	N-S	NW
731	1440881.228130	403346.517590	5265.867630	TR4	N-S	NE
732	1440864.983600	403344.051860	5266.581460	TR4	N-S	SE
733	1440865.533410	403341.731480	5266.284330	TR4	E-W	SE
734	1440867.937420	403342.011120	5266.182530	TR4	E-W	NE
735	1440872.159920	403329.766050	5266.291880	TR4	E-W	NW
736	1440869.471620	403328.408640	5266.295310	TR4	E-W	SW

SOIL BORING LOGSITE ID: KRTL0154DATE: 9/14/94LOCATION ID: 0001-0020BORE HOLE DEPTH (FT): 12

BORE HOLE DIAMETER (IN): _____

CONSTRUCTION METHOD: TLOCATION DESCRIPTION: Trenching Area 1 Geophysical Area 1. E-W Trench
from 355E, 115N → 370E, 115NCOMMENTS: Hit reinforced concrete on eastern 3' of trench at 3-6'. Moved the
trench back 3' to the west to avoid it. Sampled around the edge
of the concreteFIELD REPRESENTATIVE(S): JJ, 91km**LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)**

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0-3	0001-0005	100			See Diagram 1 on Back						
3-6	0006-0010	100			See Diagram 2 on Back						
6-9	0011-0015	100			See Diagram 3 on Page 2						
9-12	0016-0020	100			See Diagram 4 on Page 2						
12					Stop at 12'. Limit of backhoe						

SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

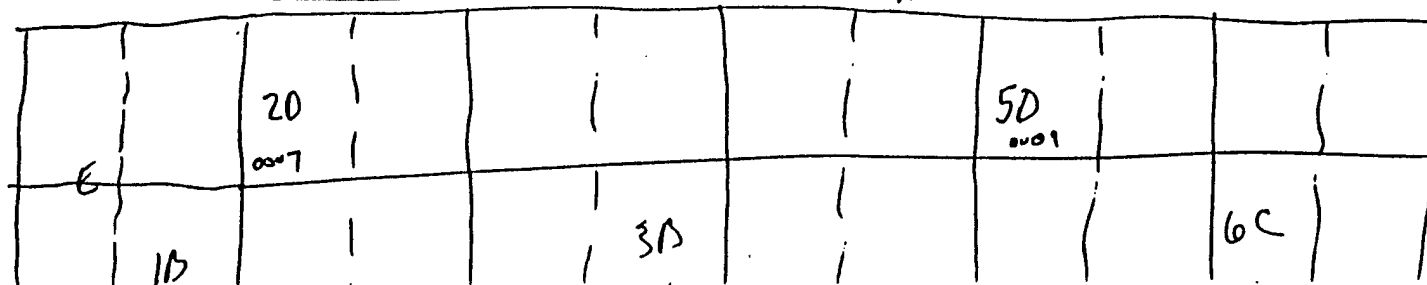
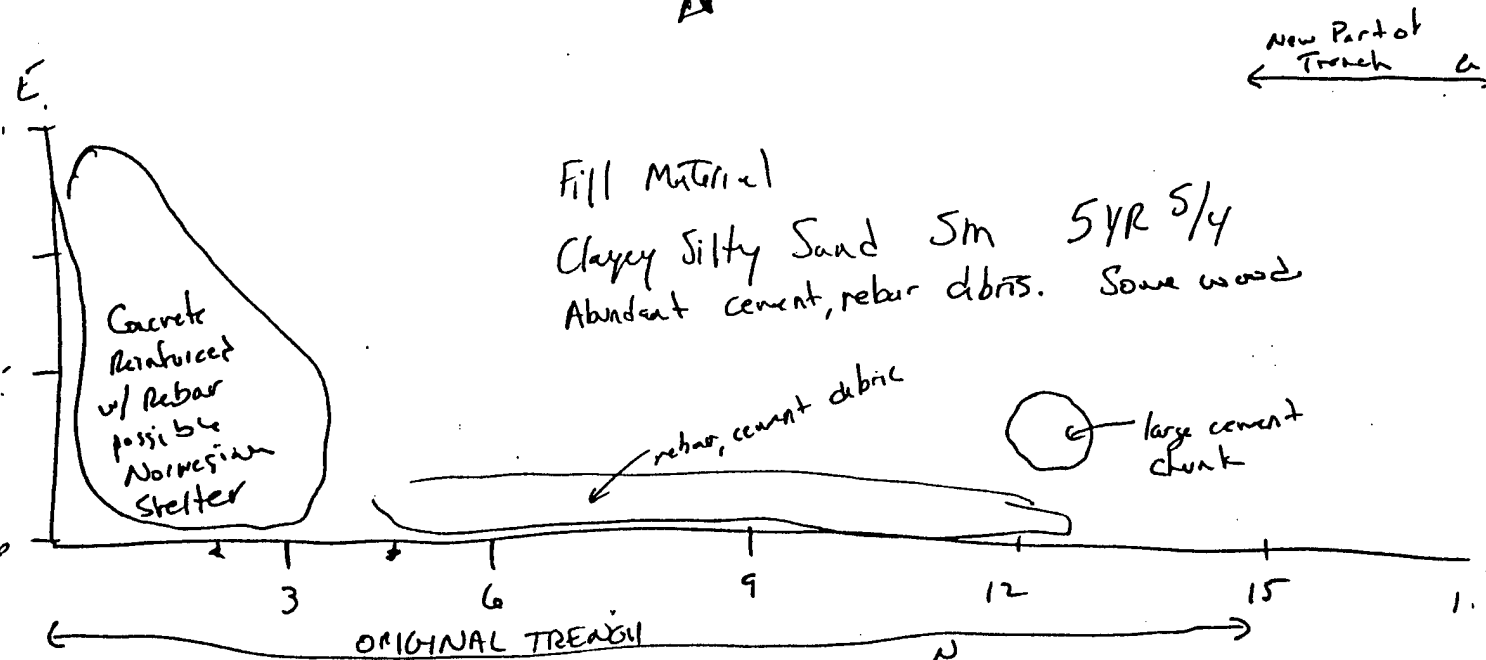
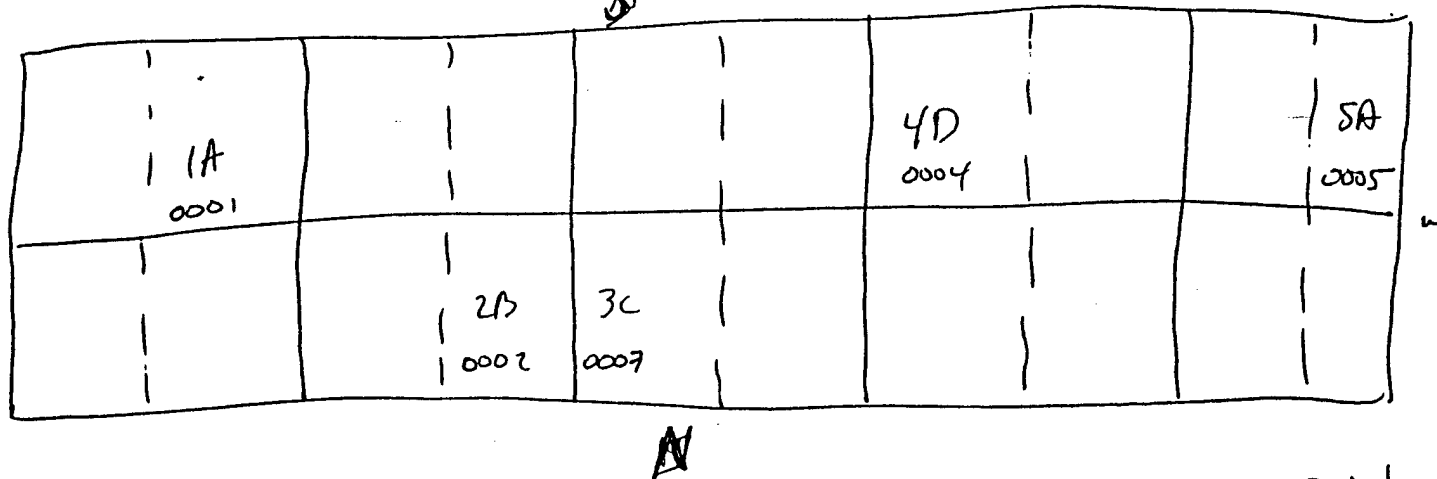
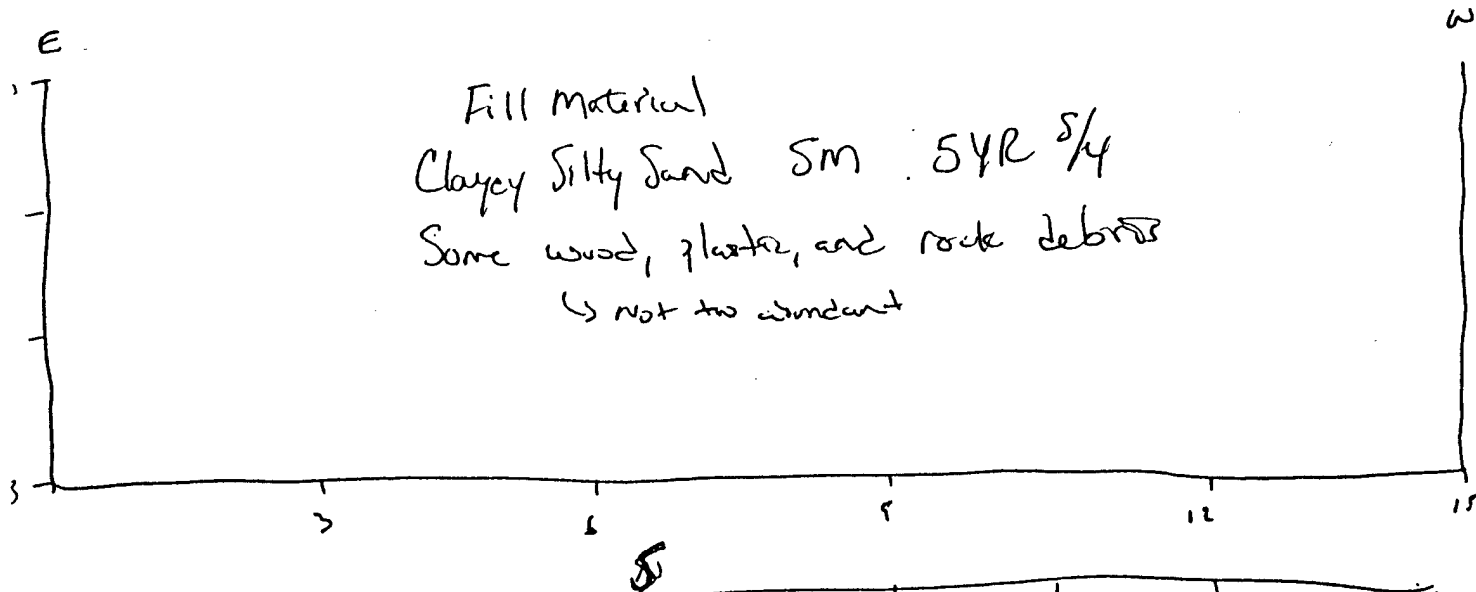
CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)



SOIL BORING LOG

SITE ID: KRTL0154

DATE: 9/14/97

LOCATION ID: 6001-020

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

LITHOLOGIC LOG (FOR TRENCH, WARE AREA, ETC.)											
DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
					SEE BACK						

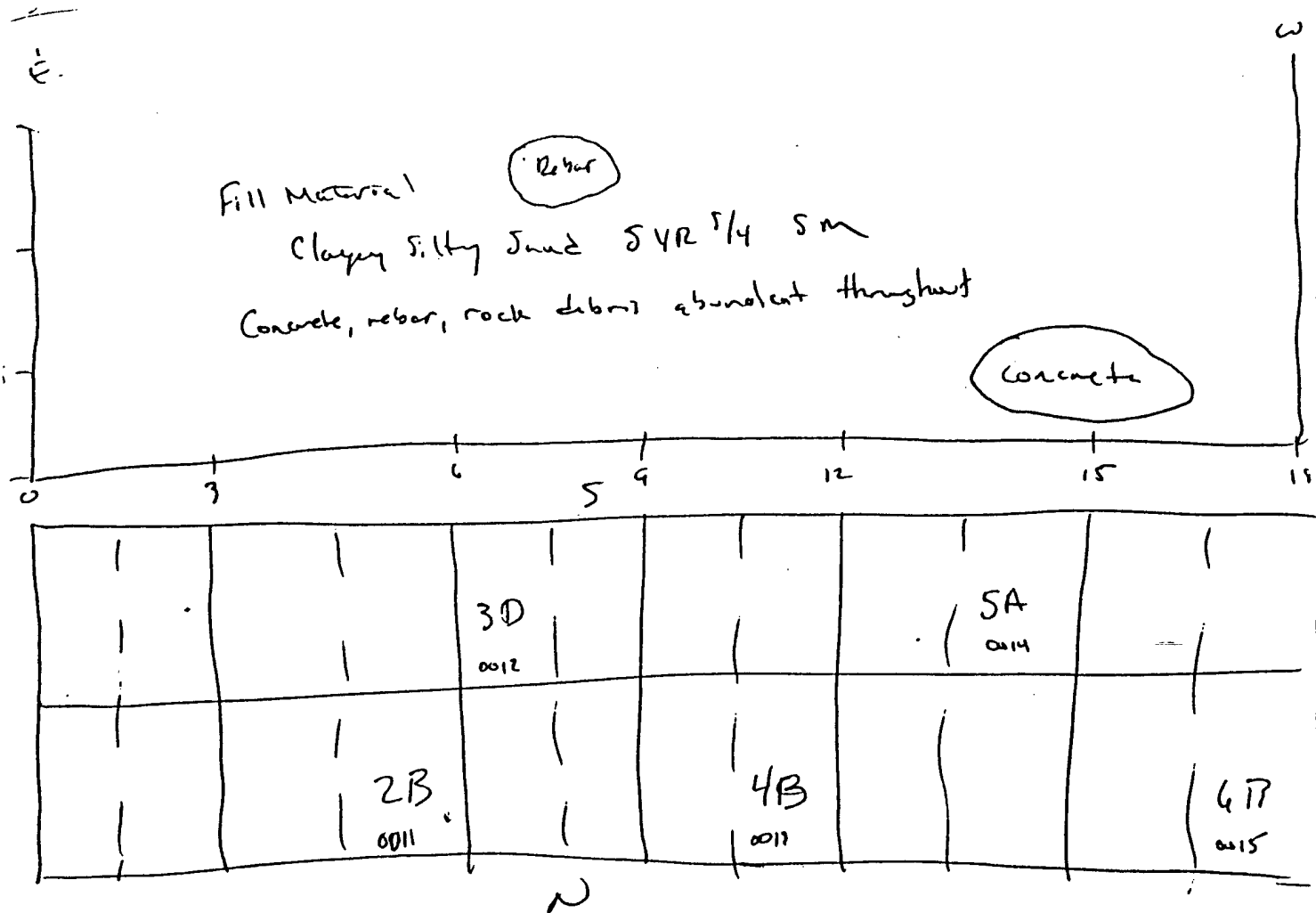
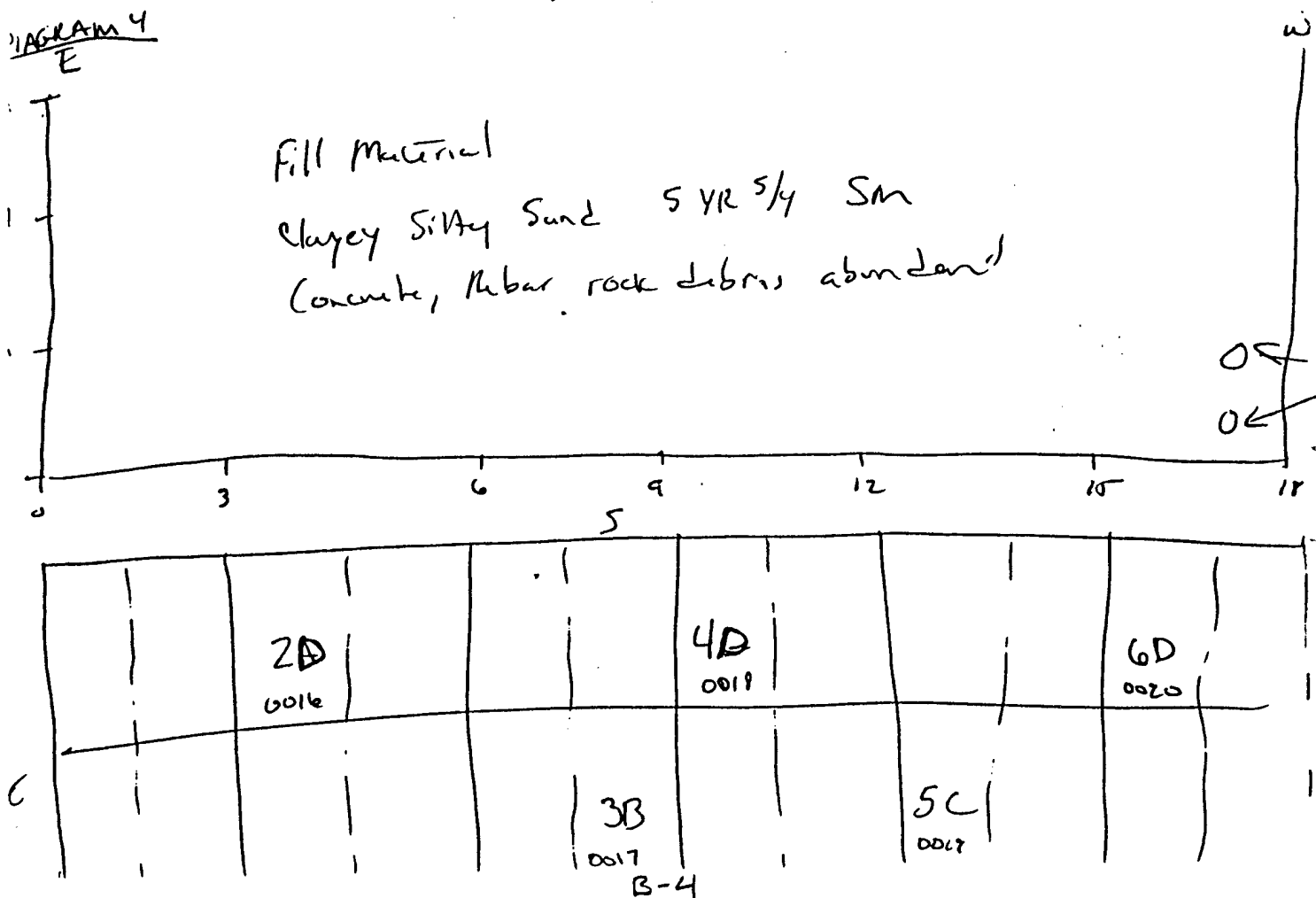


DIAGRAM 4
E



SOIL BORING LOG

SITE ID: KTT0154DATE: 9/14/94LOCATION ID: 0021-0040BORE HOLE DEPTH (FT): 6

BORE HOLE DIAMETER (IN): _____

CONSTRUCTION METHOD: TLOCATION DESCRIPTION: Geophysical Area 1 - Trenching Area 1 - N/S Trench
370E, 115N → 370E, 130NCOMMENTS: Hit native soil at 5' on south side of trench. Obstruction (concrete)
at 4' on north side. Stopped trench at 6'FIELD REPRESENTATIVE(S): PKM, JT

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0-3	0021-0025 0021-0025	PO			See Diagram 1 on back						
3-6	0026-0030 0026-0030	100			See diagram 2 on back						
6-9											
9-12											
12-15											
15-18											
18-21											
21-24											
24-27											
27-30											
30-33											
33-36											
36-39											
39-42											
42-45											
45-48											
48-51											
51-54											
54-57											
57-60											
60-63											
63-66											
66-69											
69-72											
72-75											
75-78											
78-81											
81-84											
84-87											
87-90											
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93-96											
96-99											
99-102											
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114-117											
117-120											
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132-135											
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219-222											
222-225											
225-228											
228-231											
231-234											
234-237											
237-240											
240-243											
243-246											
246-249											
249-252											
252-255											
255-258											
258-261											
261-264											
264-267											
267-270											
270-273											
273-276											
276-279											
279-282											
282-285											
285-288											
288-291											
291-294											
294-297											
297-300											

• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

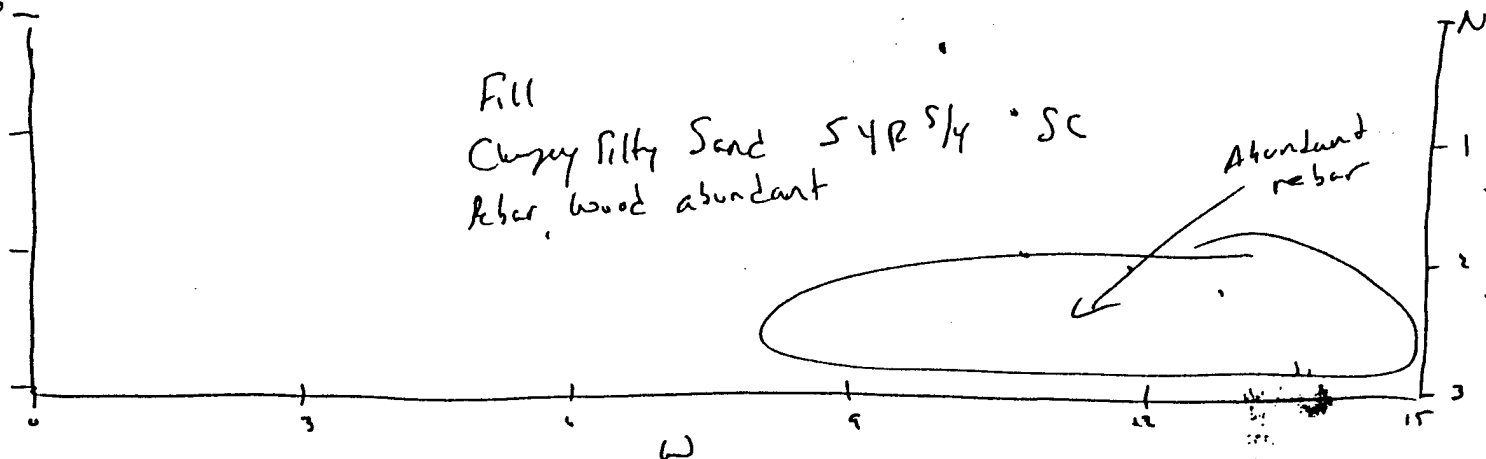
• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
PKM, JT 9/14/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

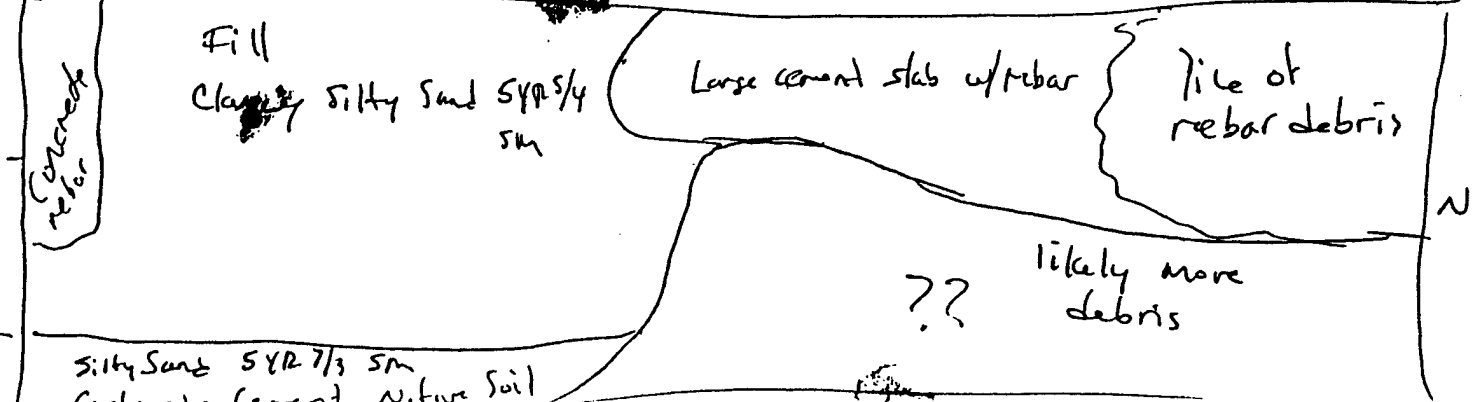
DIAGRAM 1



1A 0021	2D 0032			4D 0024	4A 0034	5A 0025
1C 0031		2D 0022	3C 0023	3D 0033		5C 0035

DIAGRAM 2

1A 0037	2D 0038	2A 0039	3D 0028		4A 0029	
1C 0036	1D 0026	2C 0027	3C 0040			5B 0070



DATE: 9/12/91

BORE HOLE DEPTH (FT): _____

CONSTRUCTION METHOD: T

COMMENTS: Relocated to 70E, 270N → 70E, 285N. Flit debris in South S' of trench debris included: wire cable, spool holder; ALL BURNER

FIELD REPRESENTATIVE(S): Plm, JT

Found 1' long plastic tube filled with water particles between 3 & 6'

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

[illegible]

•• SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

- CONSTRUCTION METHODS

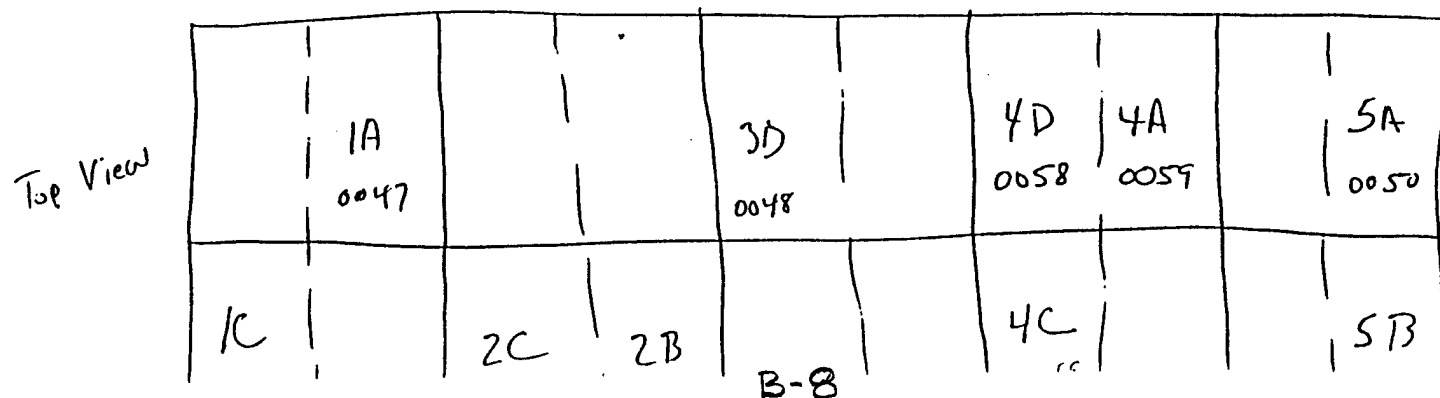
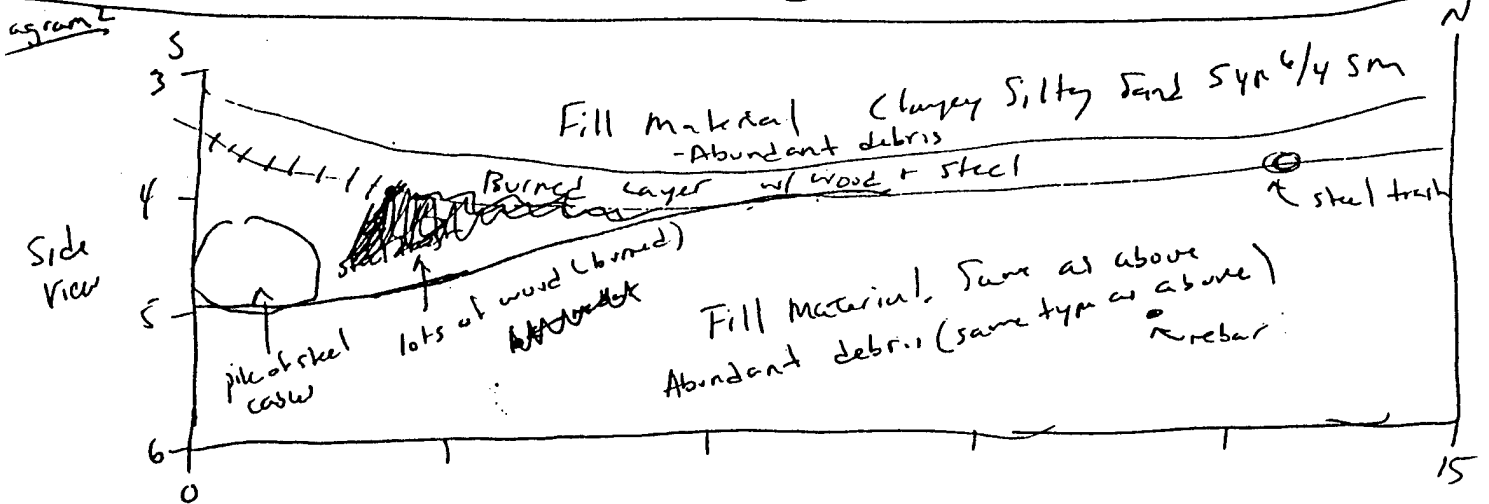
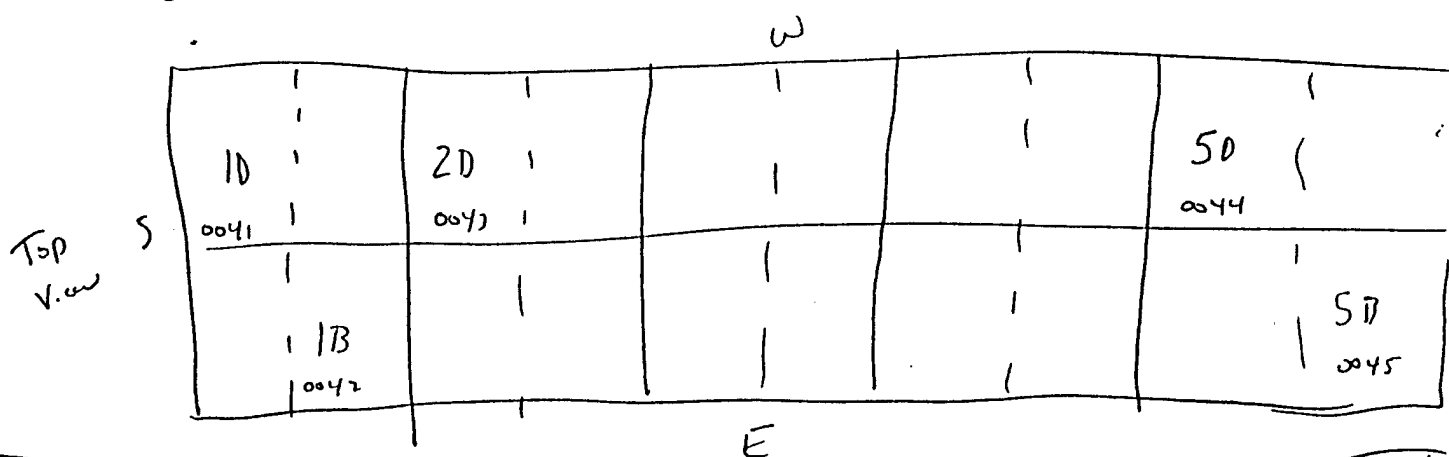
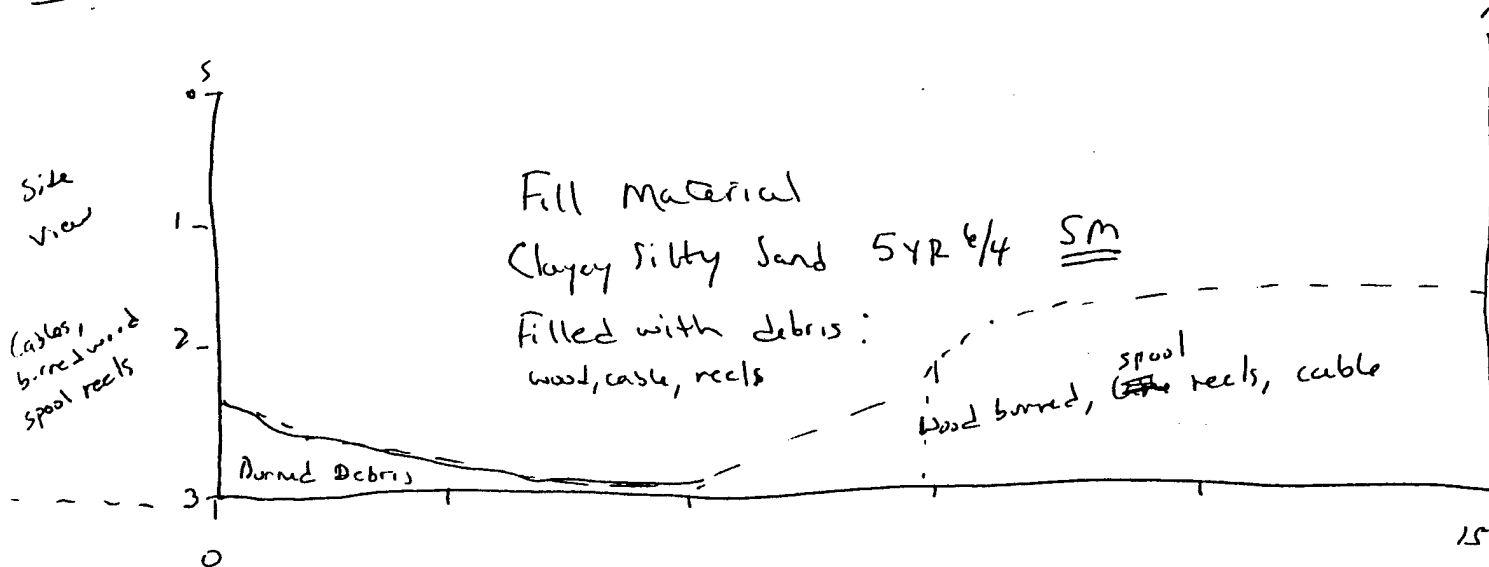
R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B- BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

Diagram 1



SOIL BORING LOG

SITE ID: KRTL0154

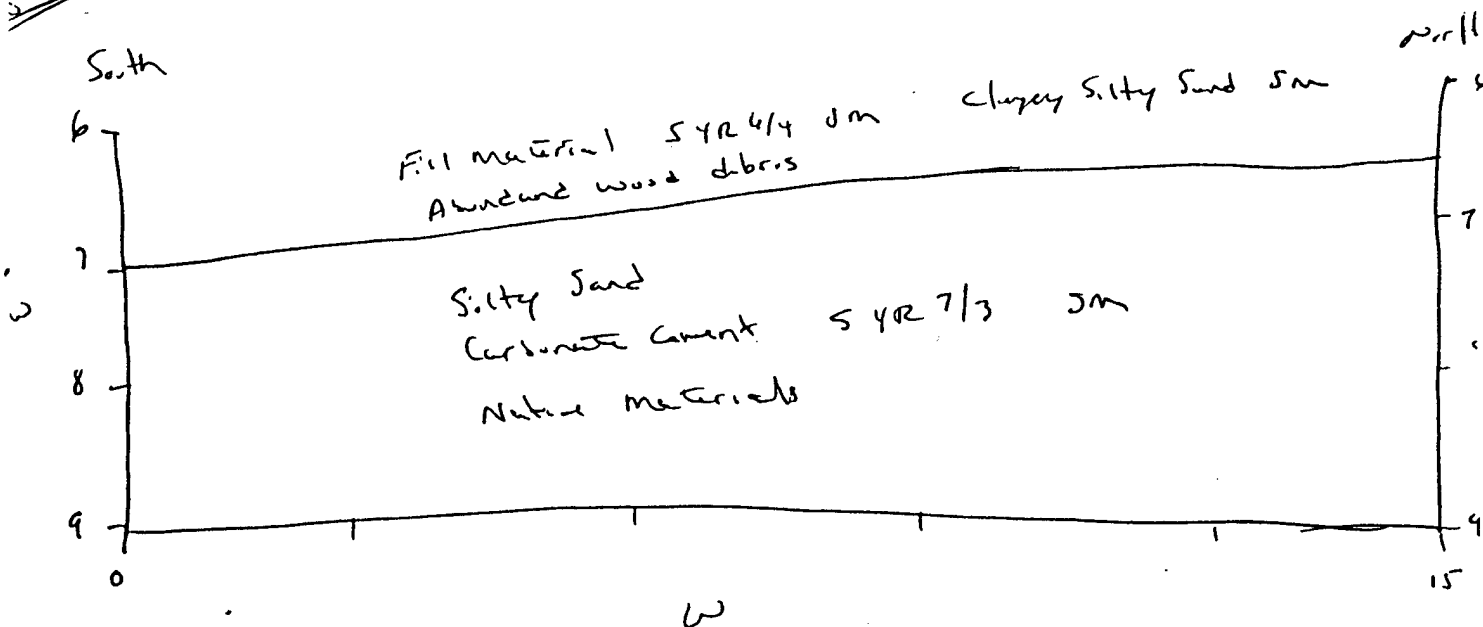
DATE: 9/12/94

LOCATION ID: 0041-0060

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

[illegible]

ram 3



S

	2A 052		4D 0054	
1B 0051		3C 0053		5C 0055

E

SOIL BORING LOG

SITE ID: KRTL0154DATE: 9/13/94LOCATION ID: 0061-0080BORE HOLE DEPTH (FT): 9

BORE HOLE DIAMETER (IN): _____

CONSTRUCTION METHOD: TLOCATION DESCRIPTION: Geophysical Area 1. Trenching Area 2. E-W Trench
70E, 285N → ~~30E~~ SSE, 285N

COMMENTS: _____

FIELD REPRESENTATIVE(S): JJ, PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0-3		0061-0065		100	See Diagram 1 on back						
3-6		0066-0070 0070-0080		100	See Diagram 2 on back						
6-9		0071-0075		100	See Diagram 3 on back of page 2						

•• **SAMPLE METHODS**
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• **CONSTRUCTION METHODS**
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PKM 9/13/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

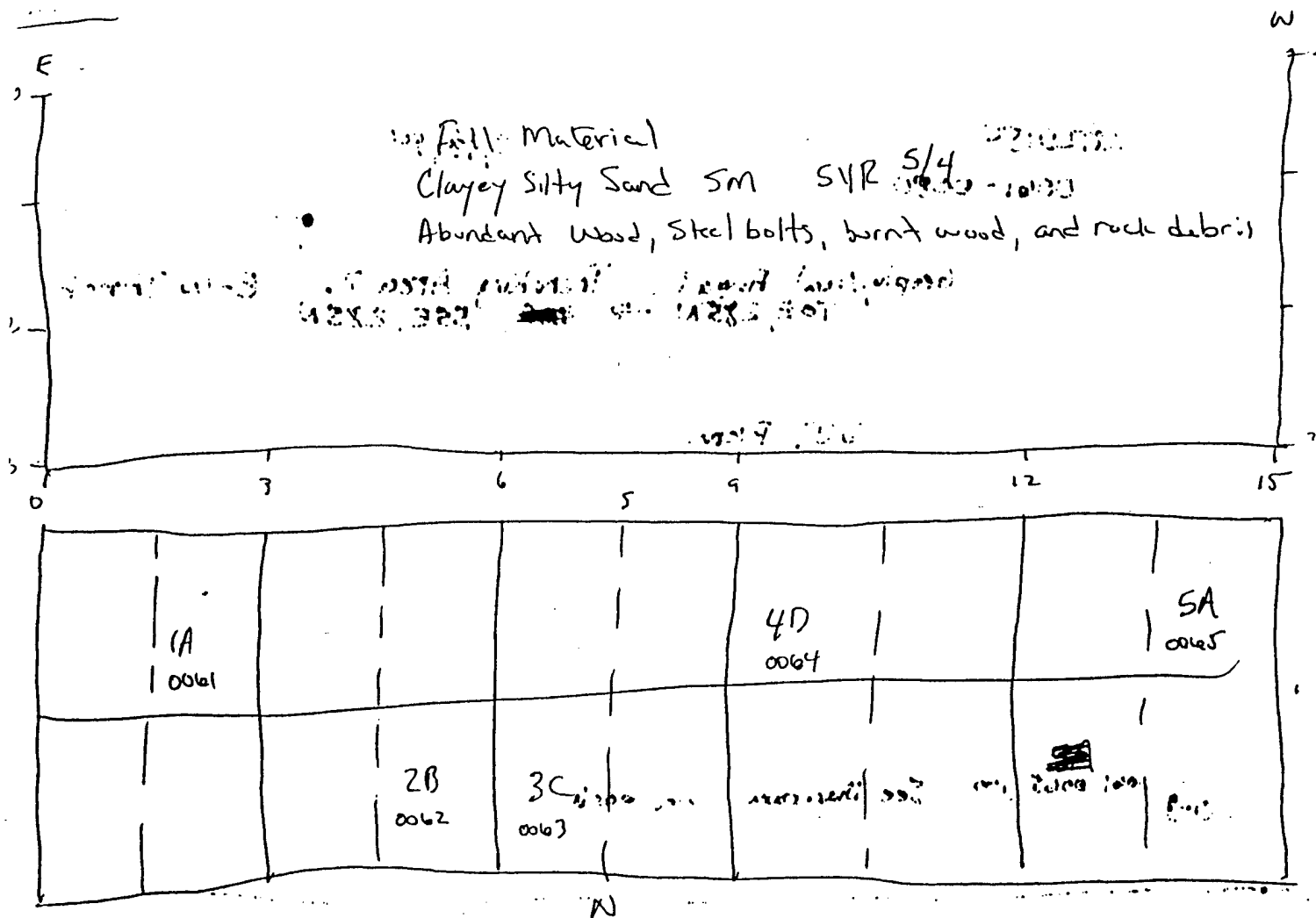
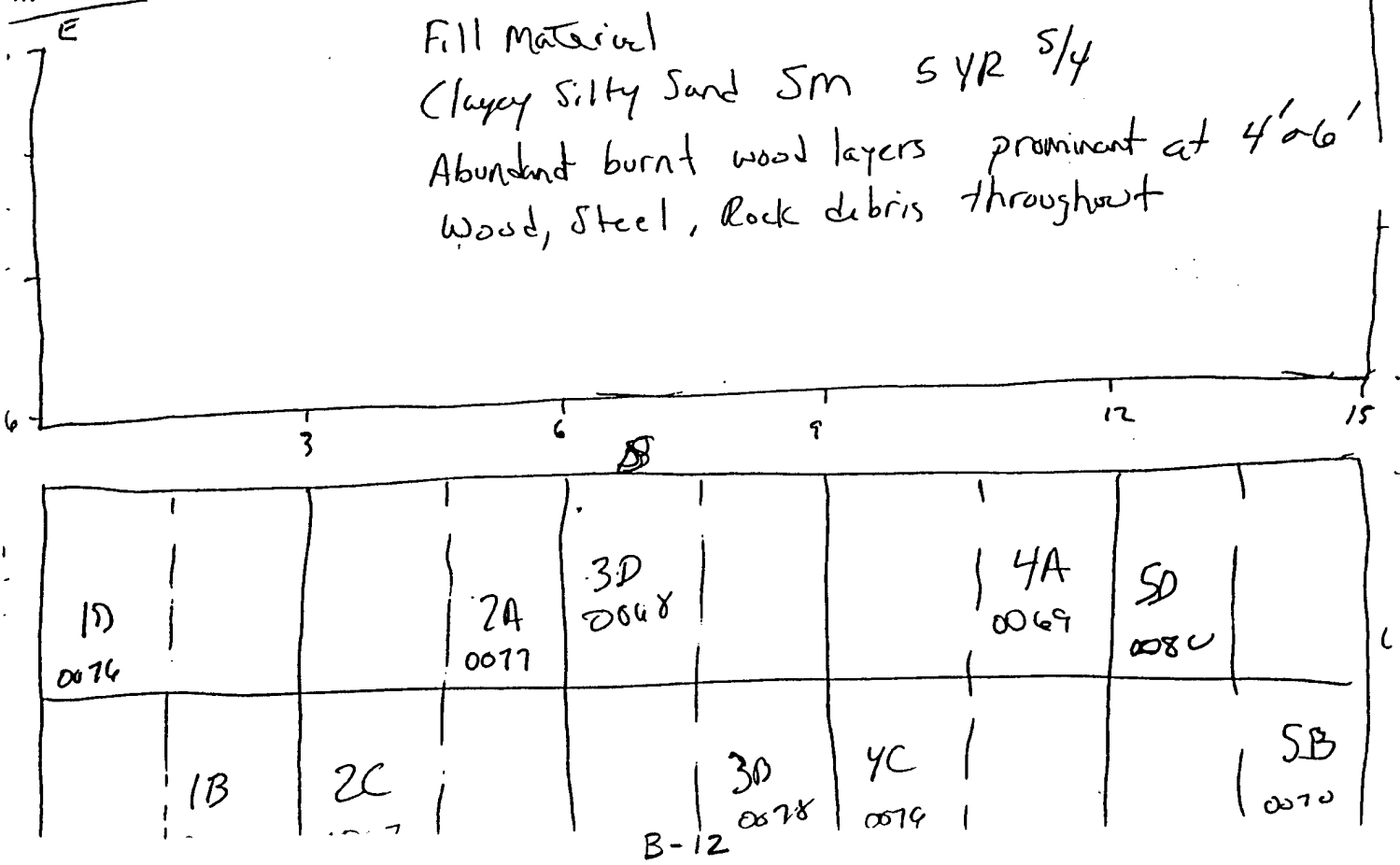


Diagram 2

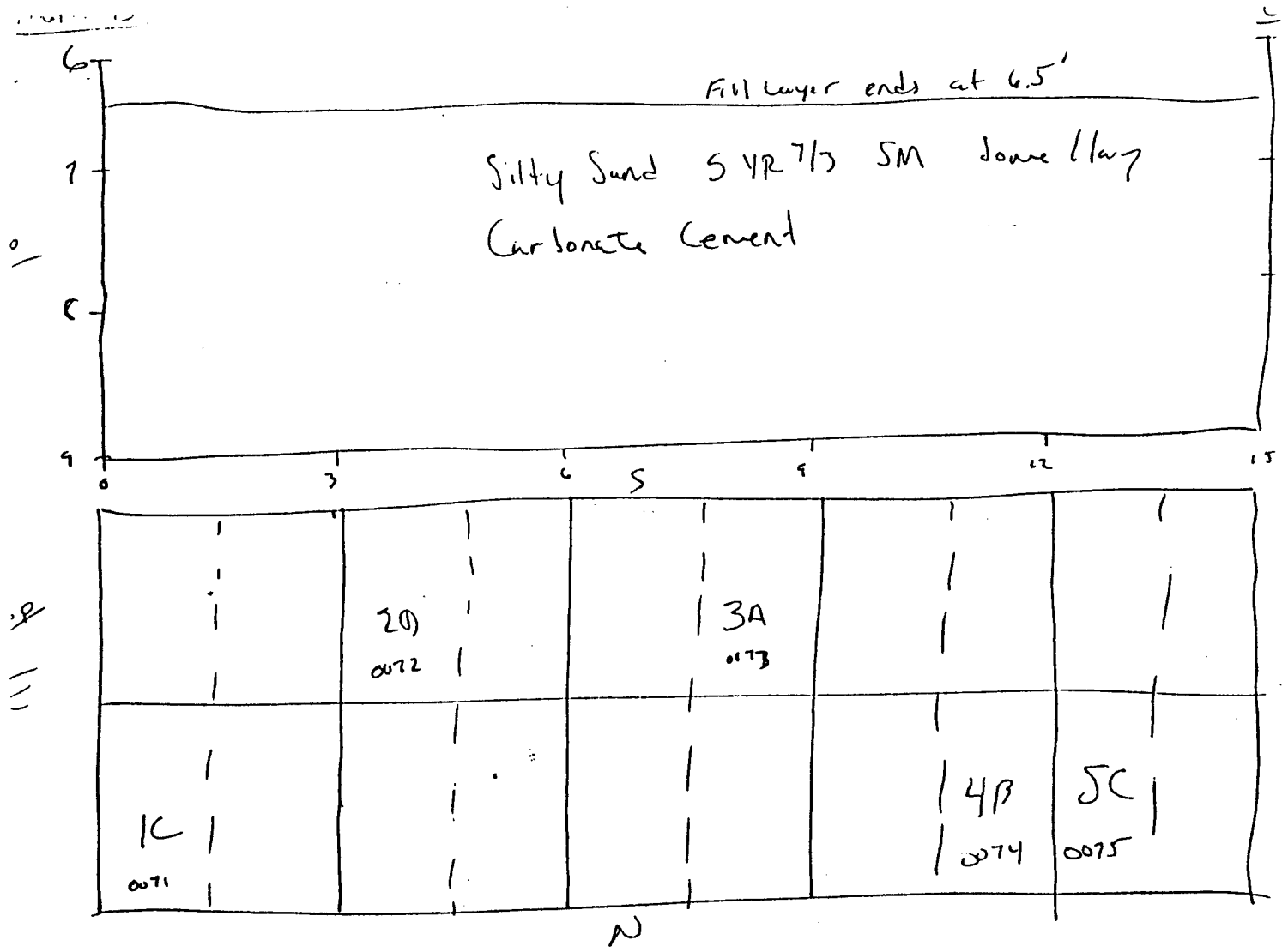


DATE: 9/13/94

LOCATION ID: 0061-0080

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

[illegible]



SITE ID: KRTL0154 DATE: 9/9/94
LOCATION ID: 0091-0110 Trenching Area 3 BORE HOLE DEPTH (FT): _____
BORE HOLE DIAMETER (IN): N/A CONSTRUCTION METHOD: T
LOCATION DESCRIPTION: Geophysical Area 2. Trenching Area 3.
15-ft trench from 20E, 400N to 20E, 415N
COMMENTS: _____
FIELD REPRESENTATIVE(S): PKM, JT

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

[illegible]

•• SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

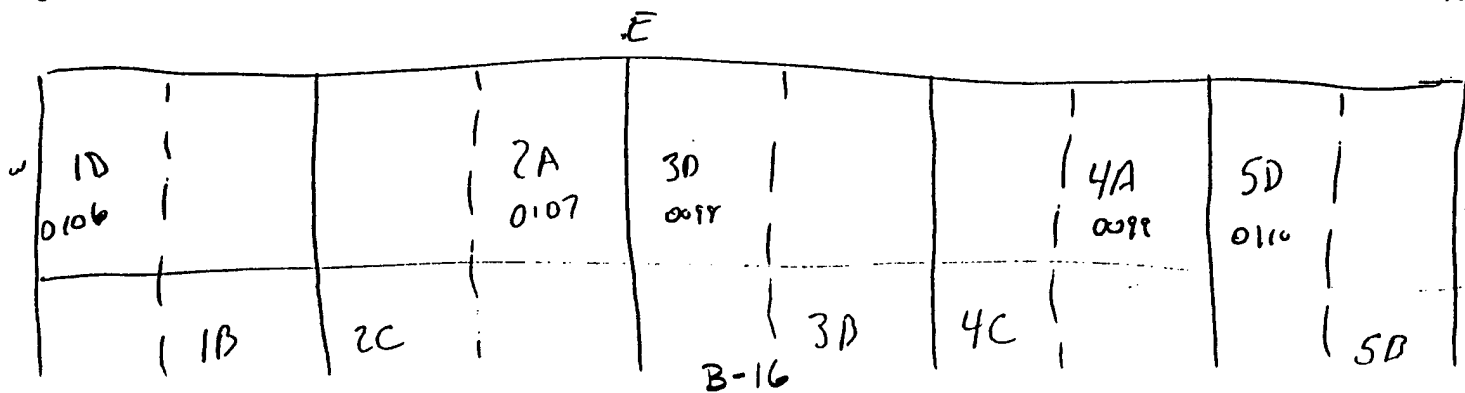
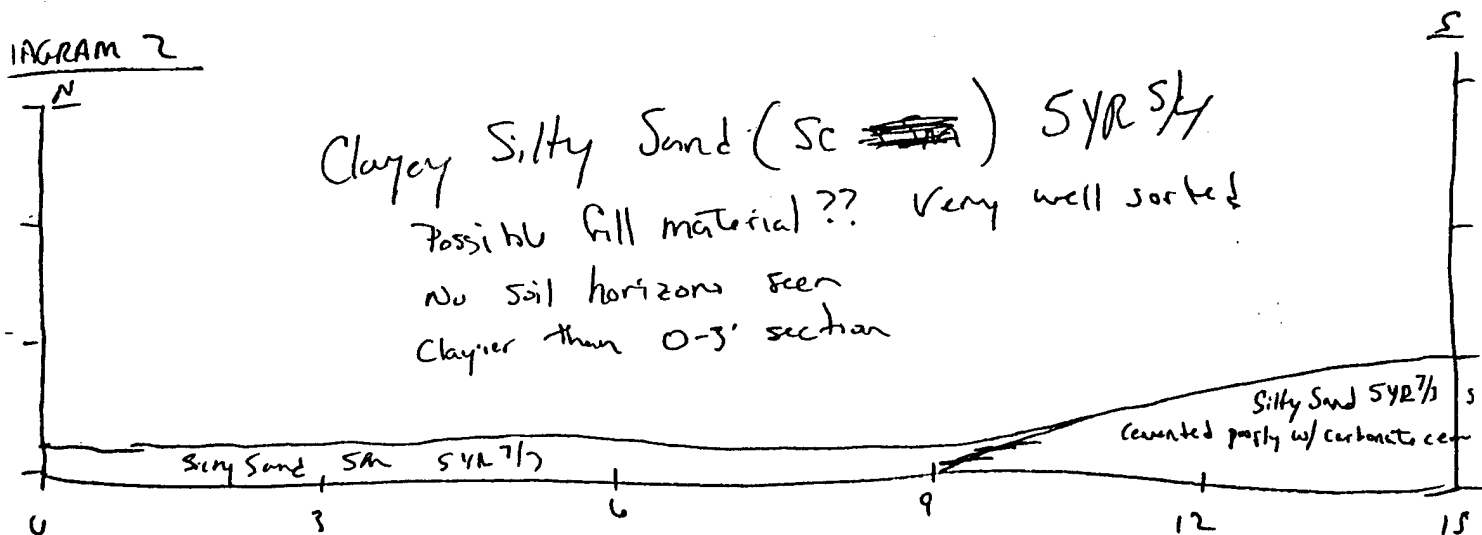
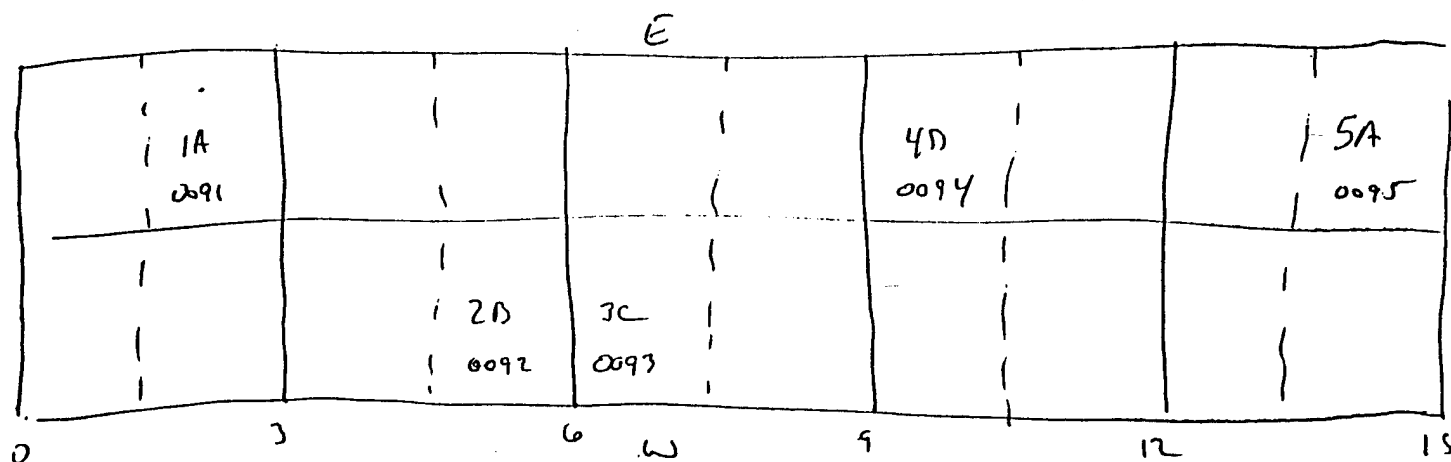
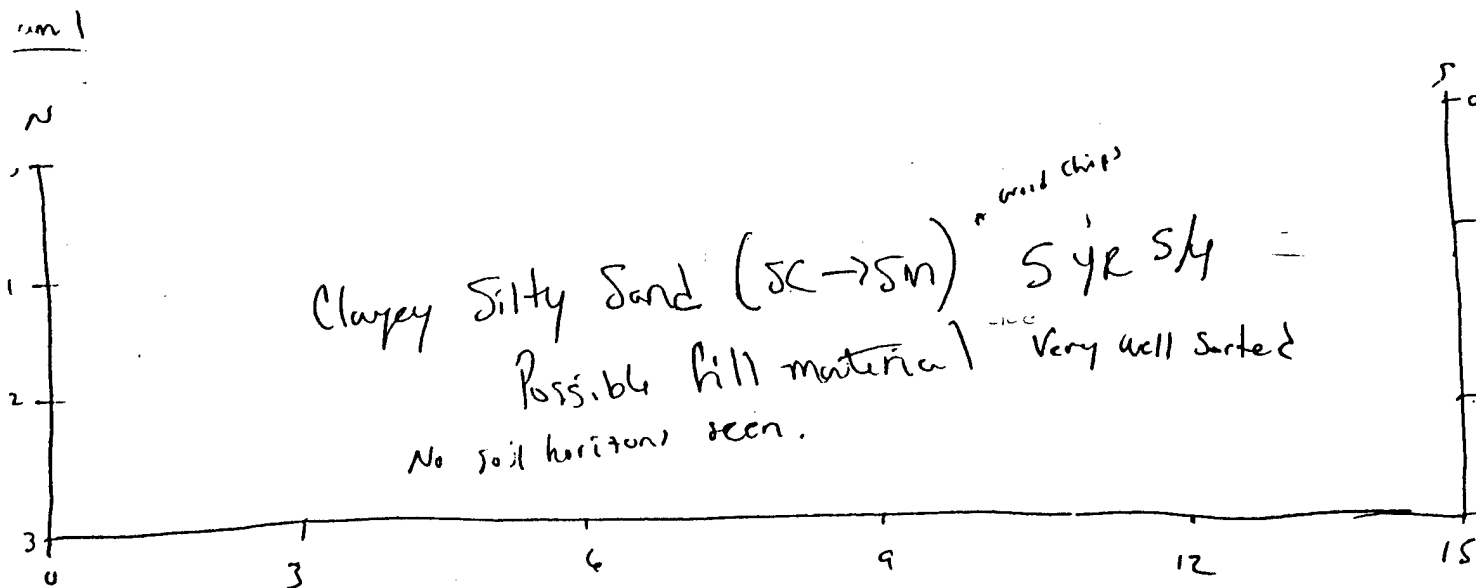
- **CONSTRUCTION METHODS**

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B- BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)



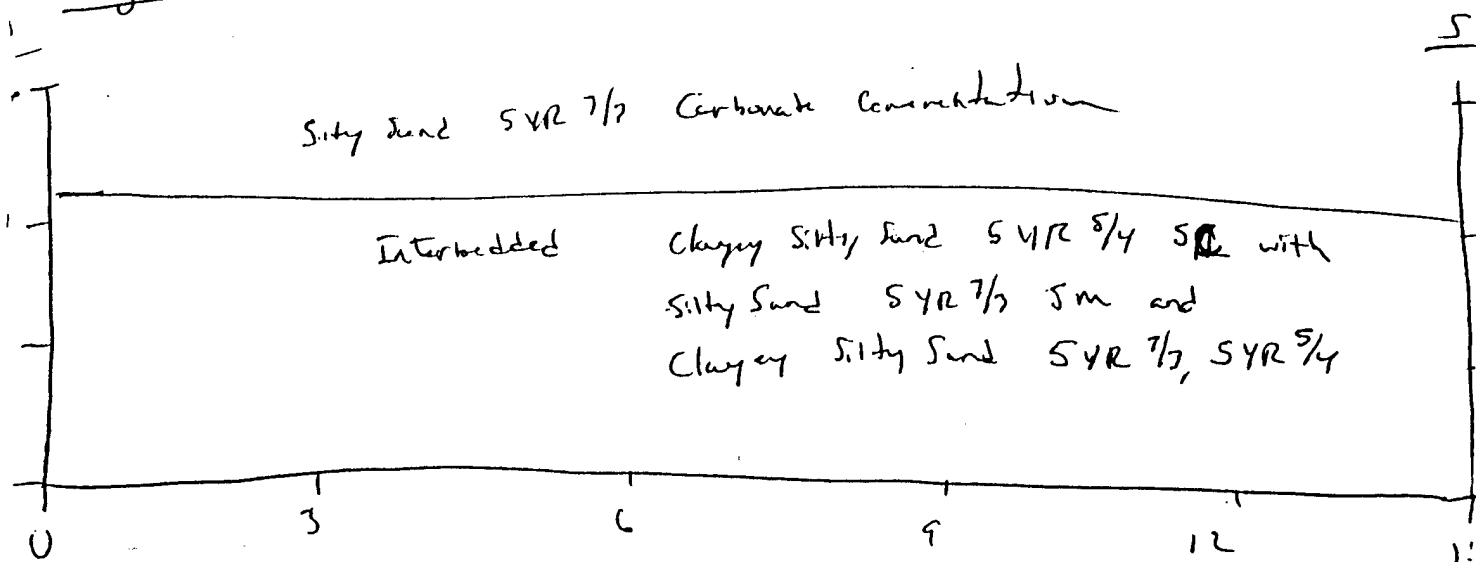
DATE: 9/9/94

LOCATION ID: 0091-0110

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

LITHOLOGIC LOG (FOR TRENCH; MAKE ADDITIONAL COPIES)											
DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
					SEE BACK						

Diagram 3



		2D 0102		$\frac{8}{2}$	3A 0103				
1C 0101							4B 0104	5C 0105	

DATE: 9/12/97

BORE HOLE DEPTH (FT): 62

CONSTRUCTION METHOD: 1

COMMENTS: Geophysical Area 2. Trenching Area 3. E-W Trench
From 20E, 415N to 5E, 415N

FIELD REPRESENTATIVE(S): Pkm JJ

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

[illegible]

•• SAMPLE METHODS

- A - AUGER CUTTINGS**
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

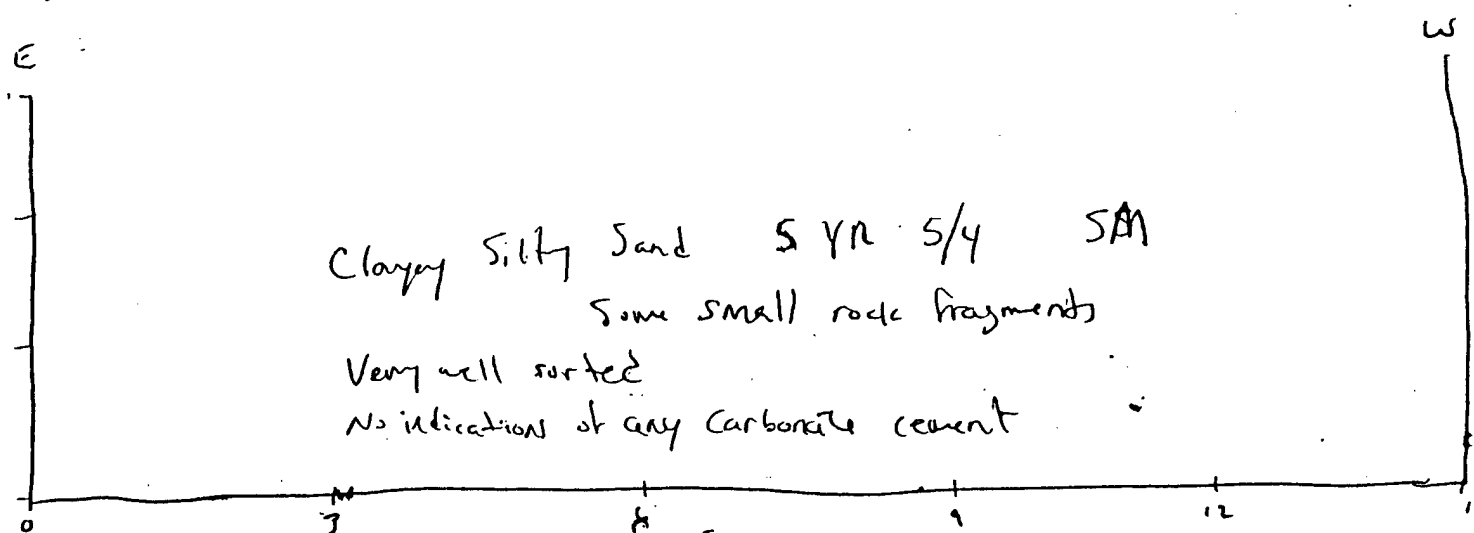
- CONSTRUCTION METHODS

- R - ROTARY (STATE ROTARY METHOD)**
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

- P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

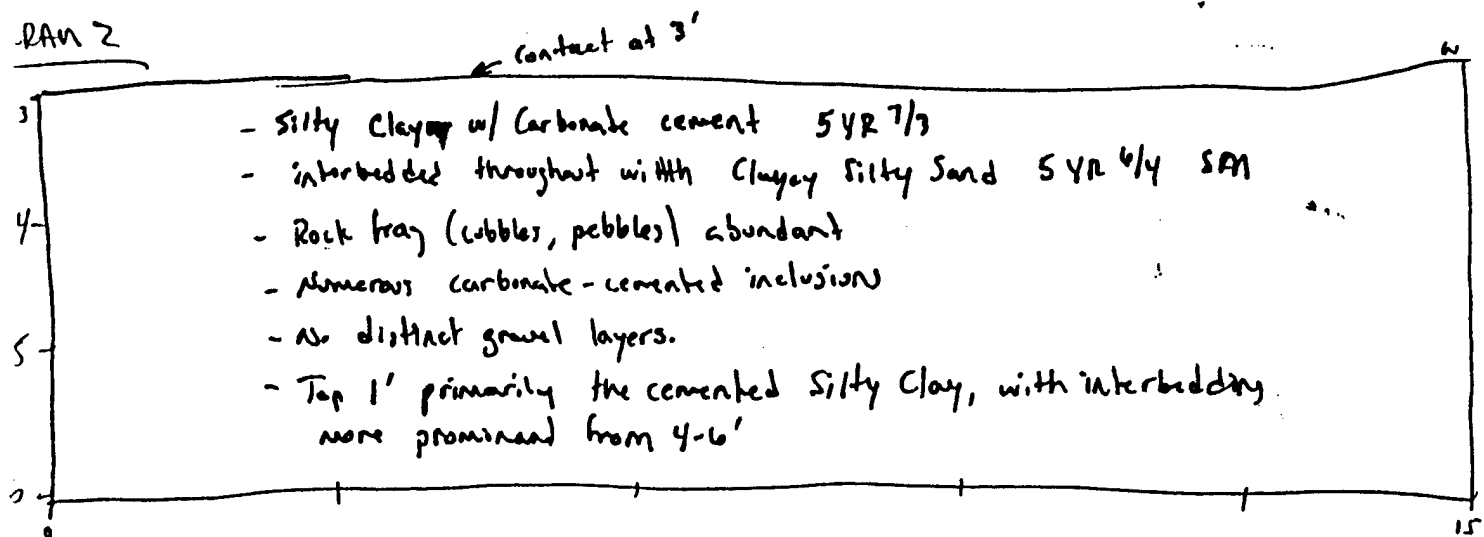
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)



1A 0111	2D 0117	3A 0114	4D 0114	5A 0115
1C 0116	2B 0112	3C 0117	4B 0119	5C 0120

PLAN 2



1D 0126	2A 0127	3D 0127	4A 0124	5D 0130
1B 0121	2C 0122	3B 0128	4C 0129	5B 0125

B-2D

← Roger Bretzel recommendation

FIELD REPRESENTATIVE(S): Pkm, JCI

DIAGRAM 1

All cables are for
instrumentation only

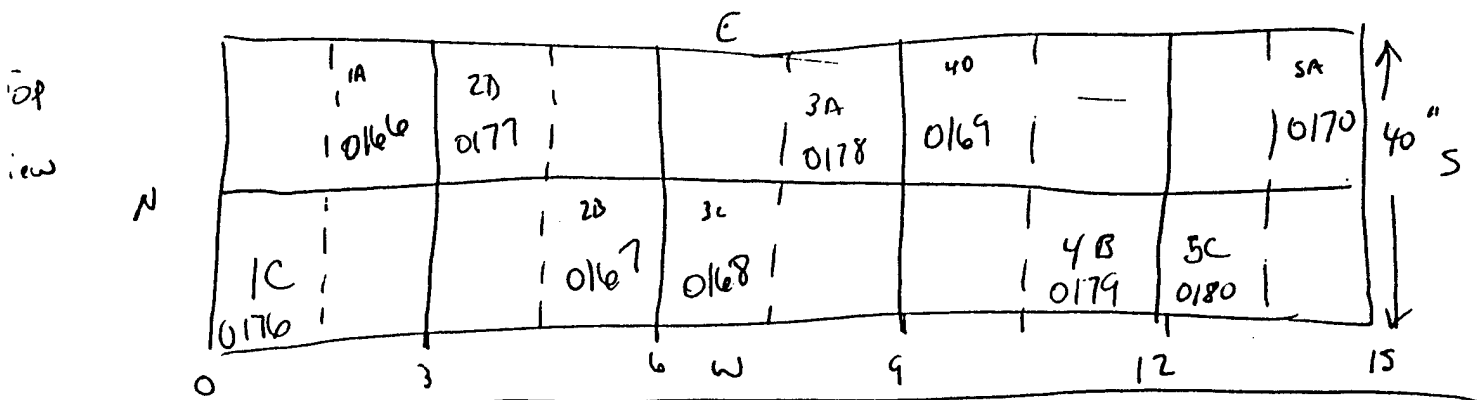
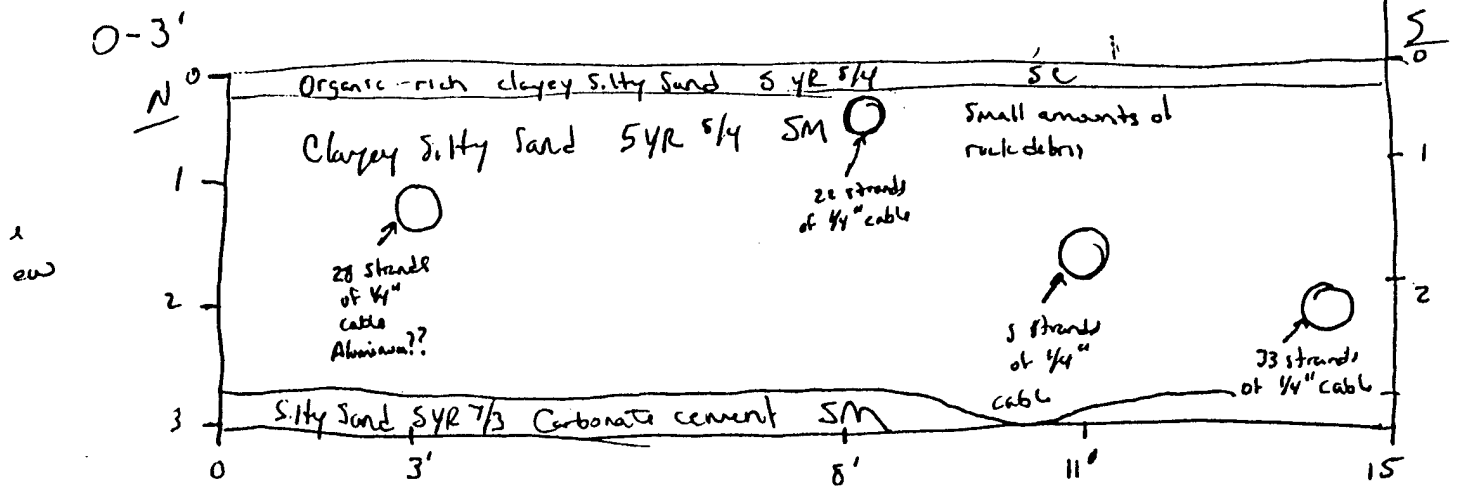
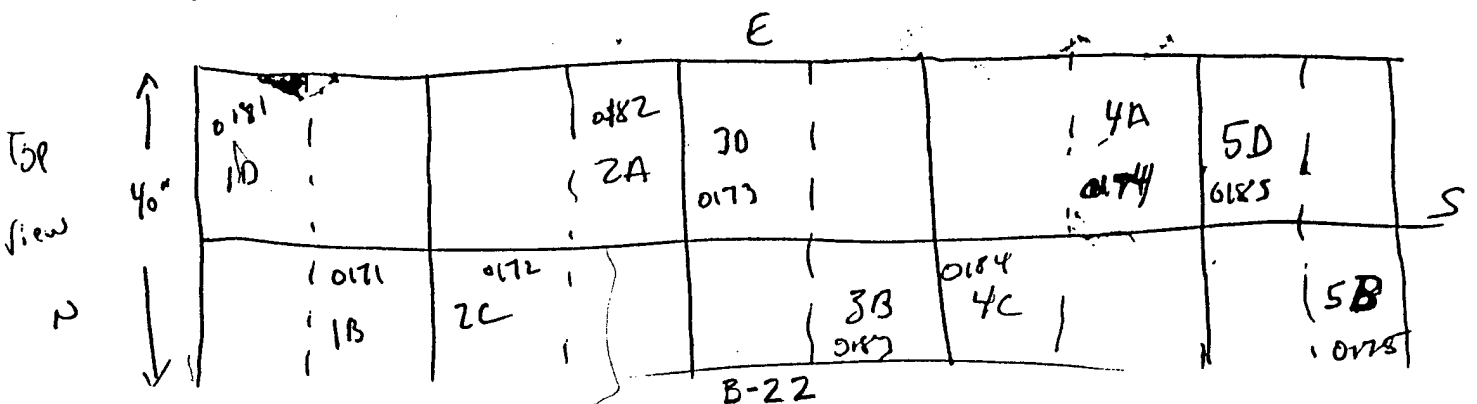
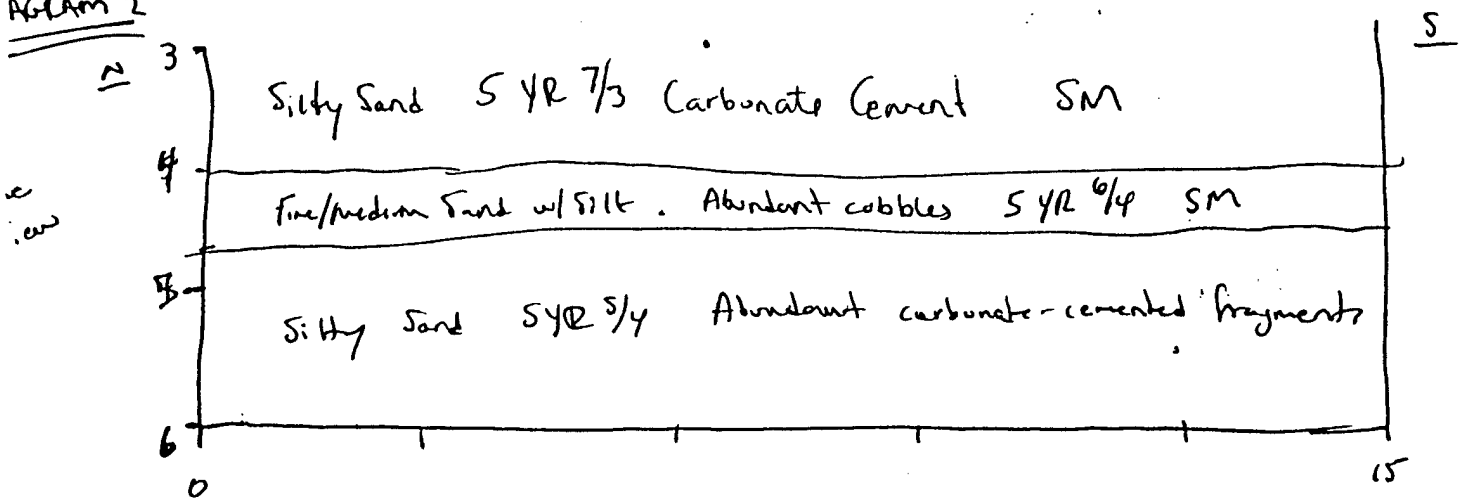


Diagram 2



FIELD REPRESENTATIVE(S): Plm, JJ

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

[illegible]

•• SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

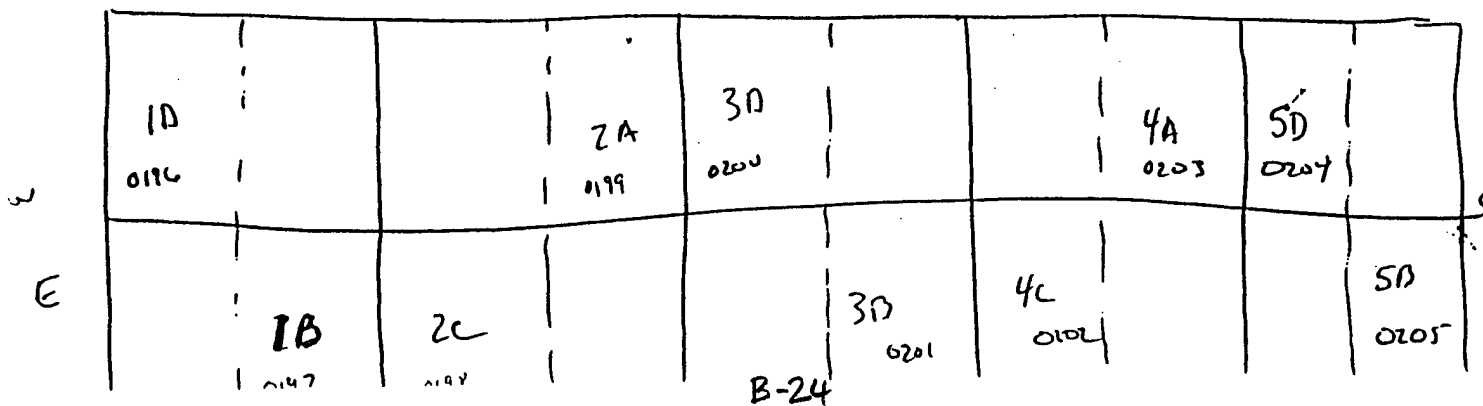
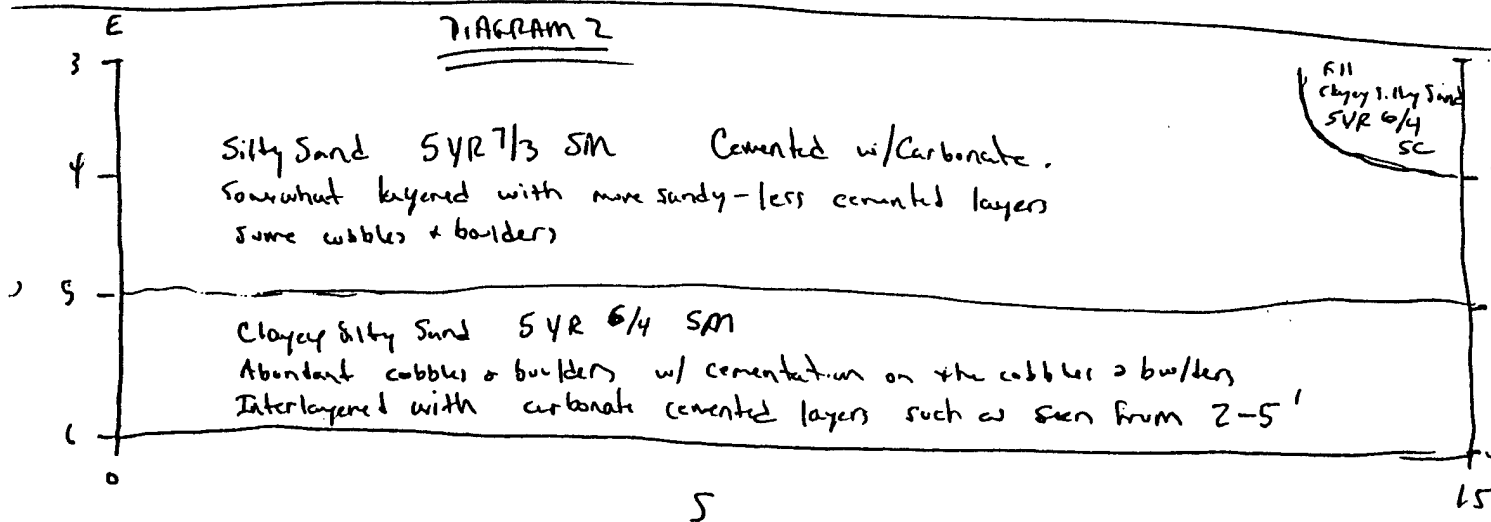
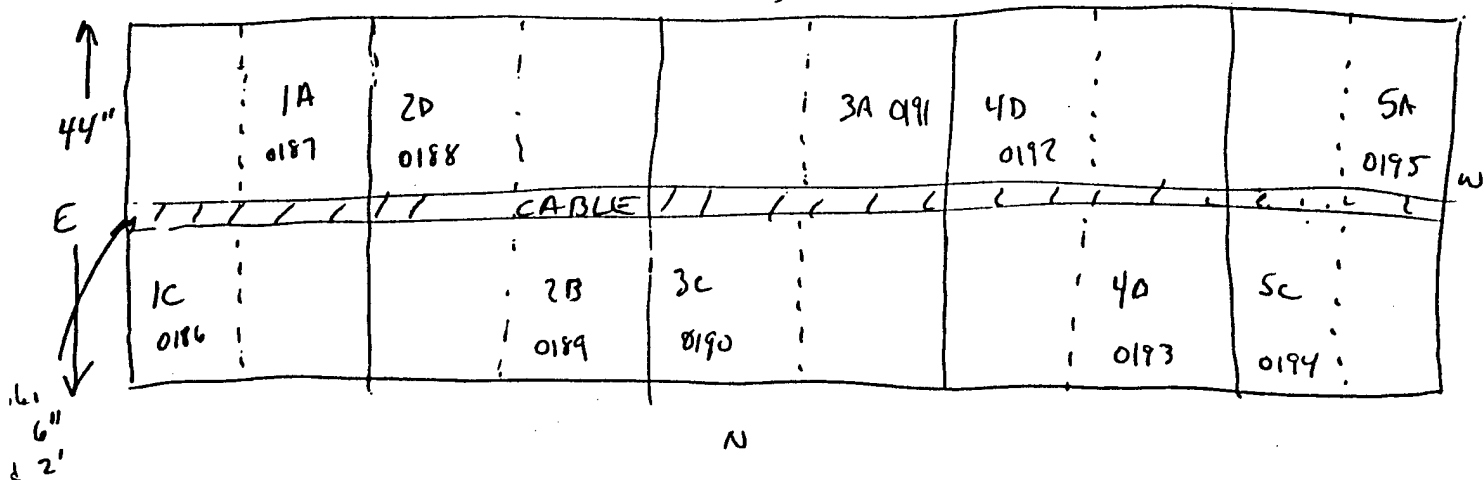
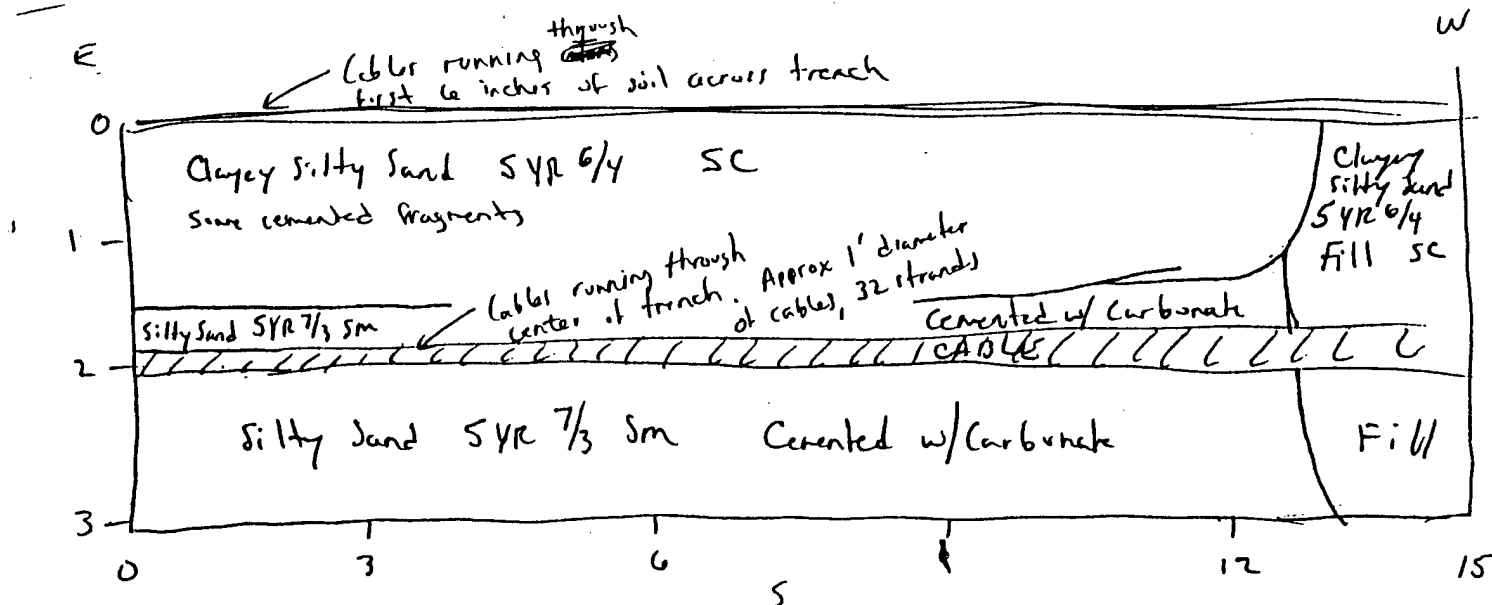
- CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B- BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)



SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/24/94 8/25/94 AK
 LOCATION ID: 0081 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: In depression near trenching area 2. About 100' west of road.
 COMMENTS: In depression
 FIELD REPRESENTATIVE(S): SRG

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5	0.5			100	clayey silty sand	SC					
1.0	0.5			100	silty sand	SM					
1.5	0.5			100	clayey silty sand	SC					
2.0	0.5	0001	A	100	clayey silty sand	SC					
2.5	0.5			100	silty sand w/ pebbles	SM					
3.0	0.5			100	silty sand w/ white grains	SM					
3.5	0.5			100	silty sand	SM					
4.0	0.5			100	silty sand	SM					
4.5	0.5			100	silty sand	SM					
5.0	0.5			100	silty sand w/ pebbles	SM					
5.5	0.5			100	silty sand w/ pebbles	SM					
6.0	0.5			100	silty sand w/ pebbles	SM					

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

AK 8/25/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/25
 LOCATION ID: 0282 0082 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: In depression near trenching Area 2. 2 100' west of Road
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					7.5 YR 4/4 clayey silty sand	ML					
1.0					7.5 YR 4/4 clayey silty sand	ML					
1.5					7.5 YR 4/4 clayey silty sand	ML					
2.0					7.5 YR 4/4 clayey silty sand	ML					
2.5					7.5 YR 4/4 clayey silty sand	ML					
3.0					7.5 YR 4/4 clayey silty sand	ML					
3.5					7.5 YR 4/4 clayey silty sand	ML					
4.0					7.5 YR 4/4 clayey silty sand	ML					
4.5					7.5 YR 4/4 clayey silty sand	ML					
5.0					7.5 YR 4/4 clayey silty sand	ML					
5.5					7.5 YR 4/4 clayey silty sand	ML					
6.0					7.5 YR 4/4 clayey silty sand	ML					
6.5											
7.0											
7.5											
8.0											
8.5											
9.0											
9.5											
10.0											

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

WNR 8/25/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/25
 LOCATION ID: 0083 BORE HOLE DEPTH (FT): 6-0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Near trenching area 2 ~ 40' W of road
Grid coordinates ~ 140E, 180N
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): SRG

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
7.5					Silty sand w/ roots & organic mat. 7.5 YR 5/4 (REL)	SM				Dry	
10					Silty sand w/ some pebbles 7.5 YR 5/4	SM				↓	
15					Silty sand w/ some pebbles 7.5 YR 5/4	SM					
20					Silty sand w/ some pebbles 7.5 YR 5/4	SM					
25					Silty sand w/ some pebbles 7.5 YR 5/4	SM				Some white grains	
30					Silty sand w/ pebbles 7.5 YR 5/4	SM					
35					Silty sand w/ pebbles 7.5 YR 5/4	SM					
40					Silty sand w/ pebbles 7.5 YR 5/4	SM					
45					Silty sand w/ pebbles 7.5 YR 5/4	SM				pieces of ply. wood	
5.0					Silty sand w/ pebbles 7.5 YR 5/4	SM				piece of wire	
5.5					Silty sand w/ pebbles 7.5 YR 5/4	SM				white grains	
6.0					Silty sand w/ some pebbles 7.5 YR 5/4	SM				wood frags	

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

SRG 8/25/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/25
 LOCATION ID: 0084 BORE HOLE DEPTH (FT): _____
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 140E, 180N vicinity near track area 2
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Jeff Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					7.5 YR 5/4 silty sand						
1.0					7.5 YR 5/4 silty sand						
1.5					10 YR 5/4 silty sand						
2.0					10 YR 5/4 silty sand w/pebbles						
2.5		000	A	100%	10 YR 5/4 silty sand w/pebbles						
3.0					10 YR 5/4 silty sand w/pebbles						
3.5					10 YR 5/4 silty sand w/pebbles						
					Pieces of wood.						
4.0					10 YR 5/4 silty sand w/pebbles						
4.5					10 YR 5/4 silty sand w/pebbles						
5.0					10 YR 5/4 silty sand w/pebbles						
5.5					10 YR 5/4 silty sand w/pebbles						
6.0					10 YR 5/4 silty sand w/pebbles						
6.2											

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM - 8/25/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/25
 LOCATION ID: 0085 BORE HOLE DEPTH (FT): _____
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: NEAR Geophysical Anomaly AT 220 N, 210 E
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					2.5 YR 5/4 Silty Sand						
1.0					7.5 YR 5/4 Silty Sand						
1.5					7.5 YR 5/4 Silty Sand						
2.0					7.5 YR 5/4 Silty Sand						
2.5					7.5 YR 5/4 Silty Sand						
3.0					7.5 YR 5/4 Silty Sand						
3.5					7.5 YR 5/4 Silty Sand						
4.0					7.5 YR 5/4 Silty Sand						
4.5					7.5 YR 5/4 Silty Sand						
5.0					7.5 YR 5/4 Silty Sand						
5.5					7.5 YR 5/4 Silty Sand						
6.0					7.5 YR 5/4 Silty Sand						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/25/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KTRLD154 DATE: 8/25/94
 LOCATION ID: 0086 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Near 220N 210E of Geophysical area 1. Just east of road.
 COMMENTS: Sample at 13:50
 FIELD REPRESENTATIVE(S): Plum

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
5				100	Silty Sand S YR S/4	SM					
6				100	Silty Sand S YR S/4	SM					
10				100	Silty Sand S YR S/4 wood chunks	SM					
15				100	Silty Sand S YR S/4 some cement	SM					
20				100	Silty Sand S YR S/4 some cement	SM					
25				100	Silty Sand S YR S/4 some cement	SM					
30				100	Silty Sand S YR S/4 some cement	SM					
35				100	Silty Sand S YR S/4	SM					
40				100	Silty Sand S YR S/4	SM					
45				100	Silty Sand S YR S/4	SM					
50				100	Silty Sand S YR S/4	SM					
55				100	Silty Sand S YR S/4	SM					
60				100	Silty Sand S YR S/4	SM					
65				100	Silty Sand S YR S/4	SM					
70				100	Silty Sand S YR S/4	SM					
75				100	Silty Sand S YR S/4	SM					
80				100	Silty Sand S YR S/4	SM					
85				100	Silty Sand S YR S/4	SM					
90				100	Silty Sand S YR S/4	SM					
95				100	Silty Sand S YR S/4	SM					
100				100	Silty Sand S YR S/4	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Jack. Min 8/25/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KR7LD 154 DATE: 8/25

LOCATION ID: 0087 BORE HOLE DEPTH (FT): _____

BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: _____

LOCATION DESCRIPTION: In Depression of Trenching Area 1

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0-5					10YR 4/3 Silty clayey sand					moist	
1.0					10YR 4/3 silty clayey sand						
1.5					10YR 4/3 silty clayey sand						
2.0					10YR 4/3 Silty clayey sand						
2.5					10YR 4/3 Silty clayey sand						
3.0					10YR 4/3 Silty clayey sand						
3.5					10YR 4/3 Silty clayey sand						
4.0					10YR 4/3 Silty clayey sand						
4.5					10YR 4/3 Silty clayey sand						
5.0					10YR 4/3 Silty clayey sand						
5.5					10YR 4/3 Silty clayey sand						
6.0					10YR 4/3 silty clayey sand						

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/25/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/25/94
 LOCATION ID: 0088 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: In depression near trenching area 1 (Geophys. Area 1)
 COMMENTS: Start at @ 1410 Sample at 1445
 FIELD REPRESENTATIVE(S): Pkon

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand SYR 3/4	SC				Wet Core wet core ↓	
1.0				100	Clayey Silty Sand SYR 3/4	SC					
1.5				100	Clayey Silty Sand SYR 3/4	SC					
2.0				100	Clayey Silty Sand SYR 3/4	SC					
2.5		0001	A	100	Clayey Silty Sand SYR 3/4	SC					
3.0				100	Clayey Silty Sand SYR 3/4	SC					
3.5				100	Clayey Silty Sand SYR 3/4	SC					
4.0				100	Clayey Silty Sand SYR 3/4	SC					
4.5				100	Clayey Silty Sand SYR 3/4	SC					
5.0				100	Clayey Silty Sand SYR 3/4	SC					
5.5				100	Clayey Silty Sand SYR 3/4	SC					
6.0				100	Clayey Silty Sand SYR 3/4	SC					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
Pkon 8/25/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL D 154DATE: 8/25LOCATION ID: AS 0090-0089

BORE HOLE DEPTH (FT): _____

BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: 380E, ON

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					7.5 YR 4/4 Silty Sand						
1.0					7.5 YR 4/4 Silty Sand						
1.5					7.5 YR 4/4 Silty Sand						
2.0					7.5 YR 4/4 Silty Sand						
2.5					7.5 YR 4/4 Silty Sand						
3.0					7.5 YR 4/4 Silty Clayey Sand						
3.5					7.5 YR 4/4 Silty Clayey Sand						
4.0					7.5 YR 4/4 Silty Clayey Sand						
4.5					7.5 YR 4/4 Silty Clayey Sand						
5.0					7.5 YR 4/4 Silty Clayey Sand						
5.5					7.5 YR 4/4 Silty Clayey Sand						
6.0					7.5 YR 4/4 Silty Clayey Sand						

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE) MMJ 8/25/94

TECHNICAL REVIEWER: (SIGNATURE/DATE) _____

SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/25/94
 LOCATION ID: 0090 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 300E, 40N of geophysical area 1
 COMMENTS: Start 1935 Sample 1550
 FIELD REPRESENTATIVE(S): RKen

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand 5YR 3/4	SC					
1				100	Clayey Silty Sand 5YR 3/4	SC					
1.5				100	Clayey Silty Sand 5YR 3/4	SC					
2.0				100	Clayey Silty Sand 5YR 3/4	SL					
2.5				100	Clayey Silty Sand 5YR 3/4	SC					
3.0				100	Clayey Silty Sand 5YR 3/4	SC					
3.5				100	Clayey Silty Sand 5YR 3/4	SC					
4.0				100	Clayey Silty Sand 5YR 3/4	SL					
4.5				100	Clayey Silty Sand 5YR 3/4	SL					
5.0				100	Clayey Silty Sand 5YR 3/4	SC					
5.5				100	Clayey Silty Sand 5YR 3/4	SL					
6.0				100	Clayey Silty Sand 5YR 3/4	SL					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

RKen 8/25/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/15/94
 LOCATION ID: 0131 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2, Crater at OE, 230N
North Side of Crater
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Picman

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand 5YR 7/3 + 5YR 6/4	SC					
1.0				100	Clayey Silty Sand 5YR 7/4	SC					
1.5				110	Clayey Silty Sand 5YR 6/4	SC				Some black staining	
2.0				100	Clayey Silty Sand 5YR 6/4	SC					
2.5				100	Clayey Silty Sand 5YR 7/3	SC				Cementation	
3.0		0001	A	100	Clayey Silty Sand 5YR 6/4	SC				Some cementation	
3.5				100	Clayey Silty Sand 5YR 6/4	SC					
4.0				100	Clayey Silty Sand 5YR 6/4	SC					
4.5				100	Clayey Silty Sand 5YR 6/4	SC					
5.0				100	Clayey Silty Sand 5YR 6/4	SC				Some cementation	
5.5				100	Clayey Silty Sand 5YR 6/4	SC				Some cementation	
6.0				100	Clayey Silty Sand 5YR 6/4	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: _____

DATE: 9/15LOCATION ID: 0132BORE HOLE DEPTH (FT): 6.0'BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophys Area 2, Inside crater wall
OE, 210N

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 6/6 Clayey Silty Sand	SM					
1.0					7.5YR 6/6 7/4 Clayey Silty Sand	SM					
1.5					7.5YR 7/4 Clayey Silty Sand	SM					
2.0					7.5YR 7/4 Clayey Silty Sand	SC					
2.5					7.5YR 7/4 Clayey Silty Sand	SC					
3.0					7.5YR 7/4 Clayey Silty Sand	SC					
3.5					7.5YR 7/4 Clayey Silty Sand	SM					
4.0					7.5YR 7/4 Clayey Silty Sand	SC					
4.5					7.5YR 7/4 Clayey Silty Sand	SM					
5.0					7.5YR 7/4 Clayey Silty Sand	SM					
5.5					7.5YR 7/4 Clayey Silty Sand	SM					
6.0					7.5YR 7/4 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
WJ 9/15

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: K27L0154 DATE: 9/15/94
 LOCATION ID: 0133 BORE HOLE DEPTH (FT): 3
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2: Near bunker on south side.
~ 240N, 120E
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): pkw

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	clayey Silty Sand 54 SY S/4	SM					
1.2				100	clayey Silty Sand SY R S/4	SM					
1.0				100	clayey Silty Sand SY R S/4	SM					
2.2				100	clayey Silty Sand SY R S/4	SM					
2.5				100	clayey Silty Sand SY R S/4	SM					
3.0				100	clayey Silty Sand SY R S/4	SM					
					Obstruction at 3'						
					Stop & Sample						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
[Signature] 9/15/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: LCRTLD 154 DATE: 9/15
 LOCATION ID: 0134 BORE HOLE DEPTH (FT): 6.0'
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2, 160 E, 260 N
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 5/4 Clayey Silty Sand	SM					
1.0					7.5 YR 5/4 Clayey Silty Sand	SM					
1.5					7.5 YR 5/4 Clayey Silty Sand	SM					
2.0					7.5 YR 5/4 Clayey Silty Sand	SM					
2.5					7.5 YR 5/4 Clayey Silty Sand	SM					
3.0					7.5 YR 5/4 Clayey Silty Sand	SM					
3.5					7.5 YR 5/4 Clayey Silty Sand	SM					
4.0					7.5 YR 5/4 Clayey Silty Sand	SM					
4.5					7.5 YR 5/4 Clayey Silty Sand	SM					
5.0					7.5 YR 5/4 Clayey Silty Sand	SM					
5.5					7.5 YR 5/4 Clayey Silty Sand	SM					
6.0					7.5 YR 5/4 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
Johnson 9/15

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KATL0154DATE: 9/15/94LOCATION ID: 0135BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 2 190N, 380E crater. West Side
Inside crater rim

COMMENTS: _____

FIELD REPRESENTATIVE(S): Pkm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand SM 5YR 5/4	SM				Rock Frags.	
10				100	Clayey Silty Sand SM 5YR 5/4	SM					
15				100	Clayey Silty Sand 5YR 5/4	SM					
20				100	Clayey Silty Sand 5YR 5/4	SM				Rock Frags	
25		0001	A	100	Clayey Silty Sand 5YR 5/4	SM				PVC pipe	
30				100	Clayey Silty Sand 5YR 5/4	SM					
35				100	Clayey Silty Sand 5YR 5/4	SM				Some cementation	
40				100	Clayey Silty Sand 5YR 5/4	SM				"	
45				100	Clayey Silty Sand 5YR 7/3	SM				Cementation	
50				100	Silty Sand 5YR 7/3	SM				"	
55				100	Silty Sand 5YR 7/3	SM				"	
60				100	Clayey Silty Sand 5YR 6/4	SM				"	

• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD 154 DATE: 9/15
 LOCATION ID: 0136 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2, 390 E, 210 N
on upper edge of cross North side
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 6/6 Clayey Silty Sand	Sn					
1.0					7.5 YR 6/6 Clayey Silty Sand	Sn					
1.5					7.5 YR 6/6 Clayey Silty Sand	Sn					
2.0					7.5 YR 6/6 Clayey Silty Sand	Sn					
2.5		0001	A		7.5 YR 4/4 Clayey Silty Sand	Sn					
3.0					7.5 YR 4/4 Clayey Silty Sand	Sn					
3.5					7.5 YR 4/4 Clayey Silty Sand	Sn					
4.0					7.5 YR 4/4 Clayey Silty Sand	Sn					
4.5					7.5 YR 4/4 Clayey Silty Sand	Sn					
5.0					7.5 YR 4/4 Clayey Silty Sand	Sn					
5.5					7.5 YR 4/4 Clayey Silty Sand	Sn					
6.0					7.5 YR 4/4 Clayey Silty Sand	Sn					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Johnson 9/15
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: LR7D154 DATE: 9/15/84
 LOCATION ID: 0137 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2 Approx 190N, 410E
On eastern side of crater
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Plm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand S4R 6/4	Sm					
1.0				100	Clayey Silty Sand S4R 6/4	Sm					
1.5				100	Clayey Silty Sand S4R 6/4	Sm					
2.0				100	Clayey Silty Sand S4R 6/4	Sm					
2.5				100	Clayey Silty Sand S4R 6/4	Sm					
3.0				100	Clayey Silty Sand S4R 6/4	Sm					
3.5				100	Clayey Silty Sand S4R 6/4	Sm					
4.0				100	Clayey Silty Sand S4R 6/4	Sm					
4.5				100	Clayey Silty Sand S4R 6/4	Sm					
5.0				100	Clayey Silty Sand S4R 6/4	Sm					
5.5				100	Clayey Silty Sand S4R 7/4	Sm					
6.0				100	Silty Sand S4R 7/3	Sm					

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

R. L. Minter 9/15/84
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 9/15
 LOCATION ID: 0138 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2, 400E, 170N
east side upper edge of crater south side
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	2.5YR 6/3 Clayey Silty Sand	SA					
1.0					7.5YR 6/3 Clayey Silty Sand	SA					
1.5					2.5YR 6/3 Clayey Silty Sand	SA					
2.0					7.5YR 6/3 Clayey Silty Sand	SA					
2.5					7.5YR 6/4 Clayey Silty Sand	SA					
3.0					7.5YR 6/4 Clayey Silty Sand	SA					
3.5					7.5YR 6/4 Clayey Silty Sand	SA					
4.0					7.5YR 6/4 Clayey Silty Sand	SA					
4.5					7.5YR 6/4 Clayey Silty Sand	SA					
5.0					7.5YR 6/4 Clayey Silty Sand	SA					
5.5					7.5YR 6/4 Clayey Silty Sand	SA					
6.0					7.5YR 6/4 Clayey Silty Sand	SA					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 9/15
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KETLD154 DATE: 9/15/94
 LOCATION ID: 0139 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2. At NE corner of grid.
Approx 50' East of NE corner. SW side of depression.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	clayey silty sand S4R 7/4	SC					
1.0				100	clayey silty sand S4R 7/4	SC					
1.5				100	clayey silty sand S4R 5/4	SC					
2.2				100	clayey silty sand S4R 5/4	SC					
2.5				100	clayey silty sand S4R 5/4	SC					
3.0				100	clayey silty sand S4R 5/4	SC					
3.5				100	clayey silty sand S4R 5/4	SC					
4.0				100	clayey silty sand S4R 5/4	SC					
4.5				100	clayey silty sand S4R 5/4	SC					
5.0				100	clayey silty sand S4R 5/4	SC					
5.5				100	clayey silty sand S4R 5/4	SC					
6.0				100	clayey silty sand S4R 5/4	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: CRILD 154 DATE: 9/15
 LOCATION ID: 0140 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2, Approx 50' East of NE corner of Grid. Southern edge of small depression
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 5/4 clayey silty sand	SN					
1.0					7.5 YR 5/4 clayey silty sand	SN					
1.5					7.5 YR 5/4 clayey silty sand	SN					
2.0					7.5 YR 5/4 clayey silty sand	SN					
2.5		0001	A		7.5 YR 5/4 clayey silty sand	SN					
3.0					7.5 YR 5/4 clayey silty sand	SC					
3.5					7.5 YR 5/4 clayey silty sand	SC					
4.0					7.5 YR 4/4 clayey silty sand	SC					
4.5					7.5 YR 4/4 clayey silty sand	SC					
5.0					7.5 YR 4/4 clayey silty sand	SC					
5.5					7.5 YR 6/4 clayey silty sand	SC					
6.0					7.5 YR 6/4 clayey silty sand	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154

DATE: 9/15/94

LOCATION ID: 0141

BORE HOLE DEPTH (FT): 6

BORE HOLE DIAMETER (IN): 2

CONSTRUCTION METHOD: A -

LOCATION DESCRIPTION: Geophysical Area 2 50-75' east of NE corner of grid
On NE side of large depression

COMMENTS: _____

FIELD REPRESENTATIVE(S): Plm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand 54R 5/4	SC					
1.0				100	Clayey Silty Sand 54R 5/4	SC					
1.5				100	Clayey Silty Sand 54R 5/4	SC					
2.0				100	Clayey Silty Sand 54R 5/4	SC					
2.5				100	Clayey Silty Sand 54R 5/4	SC					
3.0				100	Clayey Silty Sand 54R 5/4	SC					
3.5				100	Clayey Silty Sand 54R 5/4	SC					
4.0				100	Clayey Silty Sand 54R 5/4	SC					
4.5				100	Clayey Silty Sand 54R 5/4	SC					
5.0				100	Clayey Silty Sand 54R 5/4	SC					
5.5				100	Clayey Silty Sand 54R 5/4	SC					
6.0				100	Clayey Silty Sand 54R 5/4	SC					

•• SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

- CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B- BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD154 DATE: 9/15
 LOCATION ID: 0143 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2, Approx 50' East of NE Corner, NE Corner
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	7.5 YR 4/4 Clayey Silty Sand	SC					
1.0					7.5 YR 4/4 Clayey Silty Sand	SC					
1.5					7.5 YR 4/4 Clayey Silty Sand	SC					
2.0					7.5 YR 4/4 Clayey Silty Sand	SC					
2.5					7.5 YR 4/4 Clayey Silty Sand	SC					
3.0					7.5 YR 4/4 Clayey Silty Sand	SC					
3.5					7.5 YR 4/4 Clayey Silty Sand	SC					
4.0					7.5 YR 4/4 Clayey Silty Sand	SC					
4.5					7.5 YR 4/4 Clayey Silty Sand	SC					
5.0					7.5 YR 4/4 Clayey Silty Sand	SC					
5.5					7.5 YR 4/4 Clayey Silty Sand	SC					
6.0					7.5 YR 4/4 Clayey Silty Sand	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM - 9/15
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KETL0154 DATE: 9/16/94

LOCATION ID: 0143 BORE HOLE DEPTH (FT): 6

BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: Geophysical Area? Desert Fire Campy at ON, 40E of gill

COMMENTS: _____

FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
0.5				100	clayey silty sand 5YR 5/4	SM				rock debris	
1.0				100	clayey silty sand 5YR 5/4	SM				"	
1.5				100	clayey silty sand 5YR 5/4	SM				rock debris	
2.0				100	clayey silty sand 5YR 5/4	SM				"	
2.5				100	clayey silty sand 5YR 5/4	SM				"	
3.0		1001	A	100	clayey silty sand 5YR 5/4	SM				"	
3.5				100	clayey silty sand 5YR 5/4	SM				"	
4.0				100	silty sand 5YR 7/4	SM				Some cementation	
4.5				100	silty sand 5YR 7/4	SM				"	
5.0				100	silty sand 5YR 7/4	SM				"	
5.5				100	silty sand 5YR 7/4	SM				"	
6.0				100	silty sand 5YR 7/4	SM				"	

•• SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRWD154 DATE: 9/16
 LOCATION ID: 0143⁰⁶ 0144 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): _____ CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2 ON, 40E, EAST
Side of two "wells"
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.57R 5/4 Clayey Silty Sand	SC					
1.0					7.57R 5/4 Clayey Silty Sand	SC					
1.5					7.57R 5/4 Clayey Silty Sand	SC					
2.0					7.57R 5/4 Clayey Silty Sand	SC					
2.5					7.57R 5/4 Clayey Silty Sand	SC					
3.0					7.57R 6/4 Clayey Silty Sand	SC					
3.5					7.57R 7/4 Clayey Silty Sand	SC					
4.0					7.57R 7/4 Clayey Silty Sand	SC					
4.5					7.57R 7/4 Clayey Silty Sand	SC					
5.0					7.57R 7/4 Clayey Silty Sand	SC					

•• SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 9/16
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KETD154 DATE: 9/16/94
 LOCATION ID: 0145 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2. Approx 100' SW of grid
In large trench. Next to well casing. Southernmost of 2 samples
in vicinity
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): P. Kern

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand SYR 5/4	SM				rock debris	
1.2				100	Clayey Silty Sand SYR 5/4	SM				"	
1.2				100	Clayey Silty Sand SYR 5/4	SM					
2.0				100	Clayey Silty Sand SYR 5/4	SM					
2.5				100	Clayey Silty Sand SYR 5/4	SM					
3.0			A	100	Clayey Silty Sand SYR 5/4	SM					
3.5				100	Clayey Silty Sand SYR 5/4	SM					
4.0				100	Clayey Silty Sand SYR 5/4	SM					
4.5				100	Clayey Silty Sand SYR 5/4	SM				rock debris	
5.0				100	Clayey Silty Sand SYR 5/4	SM				"	
5.5				100	Clayey Silty Sand SYR 5/4	SM				"	
6.0				100	Clayey Silty Sand SYR 5/4	SM				"	

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

P. Kern 9/16/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154DATE: 9/16LOCATION ID: 0146BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 2, Approx 100' South west of South west corner of grid. North end ofCOMMENTS: Two wells in disturbed Gravel.FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 7/4 Clayey Silty Sand	SC					
1.0					7.5 YR 7/4 Clayey Silty Sand	SC					
1.5					7.5 YR 7/4 Clayey Silty Sand	SC					
2.0					7.5 YR 7/4 Clayey Silty Sand	SC					
2.5					7.5 YR 7/4 Clayey Silty Sand	SC					
3.0					7.5 YR 7/4 Clayey Silty Sand	SC					
3.5					7.5 YR 8/4 Clayey Silty Sand	SC					
4.0					7.5 YR 8/4 Clayey Silty Sand	SC					
4.5					7.5 YR 8/4 Clayey Silty Sand	SC					
5.0					7.5 YR 8/4 Clayey Silty Sand	SC					
5.5					7.5 YR 8/4 Clayey Silty Sand	SC					
6.0					7.5 YR 8/4 Clayey Silty Sand	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

MM - 9/16
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KATLD 151 DATE: 9/16/94
 LOCATION ID: 0147 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 2. Small crater 50' west of large trench (0145, 0146). Well casing in crater is collapsed in on itself
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
1.5				100	clayey silty sand 54R 5/4	SM					
1.0				100	clayey silty sand 54R 5/4	SM					
1.5				100	clayey silty sand 54R 5/4	SM					
2.0				100	clayey silty sand 54R 5/4	SC					
2.5				100	clayey silty sand 54R 5/4	SC					
3.0				100	clayey silty sand 54R 5/4	SC					
3.5				100	clayey silty sand 54R 5/4	SC					
4.0				100	clayey silty sand 54R 5/4	SC					
4.5				100	silty clayey sand 54R 7/3	SC					
5.0				100	silty clayey sand 54R 7/3	SC					
					stopped in native soils						

•• SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD 154 DATE: 9/16
 LOCATION ID: 0148 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Small crater w/ collapsed well casing East Side inside crater geophysics Area?
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
0.5					7.5 YR 7/4 Clayey Silty Sand	SC					
1.0					7.5 YR 7/4 Clayey Silty Sand	SC					
1.5					7.5 YR 7/4 Clayey Silty Sand	SC					
2.0					7.5 YR 7/4 Clayey Silty Sand	SC					
2.5					7.5 YR 7/4 Clayey Silty Sand	SC					
3.0					7.5 YR 8/4 Clayey Silty Sand	SC					
3.5					7.5 YR 8/4 Clayey Silty Sand	SC					
4.0					7.5 YR 8/4 Clayey Silty Sand	SC					
4.5					7.5 YR 8/4 Clayey Silty Sand	SC					
5.0					7.5 YR 8/4 Clayey Silty Sand	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

DATE: 9/16/94

BORE HOLE DEPTH (FT): 5.0

CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: Geophysical Area 2. Crater approx 150' south
of SW corner of grid. Out of gridded area.

COMMENTS: _____

FIELD REPRESENTATIVE(S): Pkm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
.5				100	Silty Sand S YR 7/4	SM					
1.0				100	Clayey Silty Sand S YR 6/4	SC					
1.5				100	clayey silty sand S YR 6/4	SC					
2.0				100	Clayey silty Sand S YR 6/4	SC					
2.5				100	Clayey Silty Sand S YR 6/4	SC					
3.0				100	Clayey Silty Sand S YR 6/4	SC					
3.5				100	Clayey Silty Sand S YR 6/4	SC					
4.0				100	Clayey Silty Sand S YR 6/4	SC					
4.5				100	Clayey Silty Sand S YR 6/4	R					
5.0				100	Clean Silty Sand S YR 7/3	SM					
				100	Silty Sand S YR 7/3	SM					
					<hr/> Obstruction at 5' Stop & Sample <hr/>						
										Some cementation cementation Cementation	

•• SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

- CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B- BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD 154 DATE: 9/16
 LOCATION ID: 0150 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Small Crater Geophysical Area 2 Apex
100' South of South West corner
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					7.5 YR 7/4 Clayey Silty Sand	SM				Some Rock Debris	
1.0					7.5 YR 7/4 Clayey Silty Sand	SM					
1.5					7.5 YR 7/4 Clayey Silty Sand	SM					
2.0					7.5 YR 7/4 Clayey Silty Sand	SM					
2.5					7.5 YR 7/4 Clayey Silty Sand	SM					
3.0					7.5 YR 7/4 Clayey Silty Sand	SM					
3.5					7.5 YR 7/4 Clayey Silty Sand	SM					
4.0					7.5 YR 7/4 Clayey Silty Sand	SM					
4.5					7.5 YR 7/4 Clayey Silty Sand	SM					
5.0					7.5 YR 7/4 Clayey Silty Sand	SM					
5.5					7.5 YR 7/4 Clayey Silty Sand	SM					
6.0					7.5 YR 7/4 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 9/16
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/26/94
 LOCATION ID: 0151 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 3. Crater in SW corner North
side of crater just outside of crater. 80N 160E on grid
 COMMENTS: Start at 0850
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand 5YR 4/6	SC					
1.0				100	Clayey Silty Sand 5YR 4/6	SC					
1.5				100	Silty Sand 5YR 4/6	SM					
2.0				100	Silty Sand 5YR 4/6	SM					
2.5		0001	A	100	Silty Sand 5YR 4/6	SM					
3.0				100	Silty Sand 5YR 4/6	SM					
3.5				100	Silty Sand 5YR 4/6	SM					
4.0				100	Silty Sand 5YR 4/6	SM					
4.5				100	Silty Sand 5YR 4/6	SM					
5.0				100	Silty Sand 5YR 4/6	SM					
5.5				100	Silty Sand 5YR 4/6	SM					
6.0				100	Silty Sand 5YR 4/6	SM					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PKM 8/26/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD154 DATE: 8/26
 LOCATION ID: 0152 BORE HOLE DEPTH (FT): _____
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: _____
 COMMENTS: SUN, 200E Geophysical Area 3
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					5YR 5/4 Clayey Silty Sand	SC					
1.0					5YR 5/4 Clayey Silty Sand	SC					
1.5					5YR 5/4 Clayey Silty Sand	SC					
2.0					7.5YR 5/8 Silty Sand	SA					
2.5					7.5YR 5/8 Silty Sand	SA					
3.0					4.5YR 5/4 Silty Sand	SA					
3.5					7.5YR 5/4 Silty Sand	SA					
4.0					7.5YR 5/4 Silty Sand	SA					
4.5					7.5YR 5/4 Silty Sand	SA					
5.0					7.5YR 5/4 Silty Sand	SA					
5.5					7.5YR 5/4 Silty Sand	SA					
6.0					7.5YR 5/4 Silty Sand	SA					

•• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/26
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTCD 154 DATE: 8/26/94
 LOCATION ID: 0153 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Crater in SW Corner of Geophysical Area 3
East side of crater 460 170E
 COMMENTS: Start at 0910
 FIELD REPRESENTATIVE(S): P/cm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	Silty ^{fine} Sand Some Organics 5YR 4/6	SM					
1.0				100	Silty Sand Some Organics 5YR 4/6	SM					
1.5				100	Silty Sand 5YR 4/6	SM					
2.0				100	Silty Sand 5YR 4/6	SM				Some cement	
2.5				100	Silty Sand 5YR 4/6	SM				Some cement	
3.0				100	Silty Sand 5YR 4/6	SM				Some cement	
3.5				100	Silty Sand 5YR 4/6	SM				Some Cement	
4.0				100	Silty Sand 5YR 4/6	SM					
4.5				100	Silty Sand 5YR 4/6	SM					
5.0				100	Silty Sand 5YR 4/6	SM					
5.5				100	Silty Sand 5YR 4/6	SM					
6.0				100	Silty Sand 5YR 4/6	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

P/cm 8/26/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/26
 LOCATION ID: 0154 BORE HOLE DEPTH (FT): _____
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: SDN, 150E Geophysical Area 3
 COMMENTS: Inside CIARC
 FIELD REPRESENTATIVE(S): Jbhaza

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD *	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0.5					Clayey Silty Sand 7.5YR 3/4	SC					
1.0					Clayey Silty Sand 7.5YR 3/4	SC					
1.5					Clayey Silty Sand 7.5YR 5/4	SC					
2.0					5YR 6/4 Silty Sand	SH					
2.5					5YR 6/4 Silty Sand	SH					
3.0					5YR 6/4 Silty Sand	SH					
3.5					5YR 8/2 Silty Sand	SH					
4.0					5YR 8/2 Silty Sand	SH					
4.5					5YR 8/2 Silty Sand	SH					
5.0					5YR 8/2 Silty Sand	SH					
5.5					5YR 8/2 Silty Sand	SH					
6.0					5YR 8/2 Silty Sand	SH					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MMV 8/26
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KETLDISY DATE: 8/26/94
 LOCATION ID: 0155 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 3, 260N, 240E on grid. On South side of crater edge.
 COMMENTS: Start 10:25
 FIELD REPRESENTATIVE(S): PM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand 5YR 5/4	SC					
10				100	Clayey Silty Sand 5YR 5/4	SC					
15				100	Silty Sand 5YR 5/4	SM					
20				100	Silty Sand 5YR 5/4	SM					
25				100	Silty Sand 5YR 5/4	SM					
30				100	Silty Sand 5YR 5/4	SM					
35				100	Silty Sand 5YR 5/4	SM					
40				100	Silty Sand 5YR 5/4	SM					
45				100	Silty Sand 5YR 5/4	SM					
50				100	Silty Sand 5YR 5/4	SM					
55				100	Silty Sand 5YR 5/4	SM					
60				100	Silty Sand 5YR 5/4	SM					

•• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Rock Miller 8/26/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRZD154 DATE: 8/26
LOCATION ID: 0156 BORE HOLE DEPTH (FT): 6
BORE HOLE DIAMETER (IN): 24 CONSTRUCTION METHOD: A
LOCATION DESCRIPTION: 260N, 260E Geophysics Area 3
COMMENTS: _____
FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0.5					7.5 YR 5/4 Silty Sand	SM					
1.0					7.5 YR 5/4 Silty Sand	SM					
2.0					7.5 YR 5/4 Silty Sand	SM					
2.5					7.5 YR 5/4 Silty Sand	SM					
3.0					7.5 YR 5/4 Silty Sand	SM					
3.5					7.5 YR 5/4 Silty Sand	SM					
4.0					7.5 YR 5/4 Silty Sand	SM					
4.5					10 YR 7/4 Silty Sand	SM					
5.0					10 YR 7/4 Silty Sand	SM					
5.5					10 YR 7/4 Silty Sand	SM					
6.0					10 YR 7/4 Silty Sand	SM					

SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

MMV 8/26
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: LETLDIS4 DATE: 8/26/94
 LOCATION ID: 0157 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 7 280N, 240E on Grid. North
side of crater inside crater
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKMS

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand 5YR 5/4	SC					
1.0				100	Clayey Silty Sand 5YR 5/4	SC					
1.5				100	Clayey Silty Sand 5YR 5/4	SC					
2.0				100	Silty Sand 5YR 5/4	SM					
2.5		0001	A	100	Silty Sand 5YR 5/4	SM					
3.0				100	Silty Sand 5YR 5/4	SM					
4.0				100	Silty Sand 5YR 5/4 Some Rock	SM					
4.5				100	Silty Sand 5YR 5/4 Some Rocks	SM					
5.0				100	Silty Sand 5YR 5/4 Some Rocks	SM					
5.5				100	Silty Sand 5YR 5/4 Some Rocks	SM					
6.0				100	Silty Sand 5YR 5/4	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Paul Davis 8/26/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KR2D/54 DATE: 8/26
 LOCATION ID: 0158 BORE HOLE DEPTH (FT): _____
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 200N, 260E Geophys Area 3
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0.5					7.5 YR 5/4 Silty sand	SM					
1.0					7.5 YR 5/4 Silty sand	SM					
1.5					7.5 YR 5/4 Silty sand	SM					
2.0					7.5 YR 5/4 Silty sand	SM					
2.5					7.5 YR 5/4 Silty sand	SM					
3.0					7.5 YR 5/4 Silty sand	SM					
3.5					7.5 YR 5/4 Silty sand	SM					
4.0					7.5 YR 5/4 Silty sand	SM					
4.5					7.5 YR 5/4 Silty sand	SM					
5.0					7.5 YR 5/4 Silty sand	SM					
5.5					7.5 YR 5/4 Silty sand	SM					
6.0					7.5 YR 3/4 Silty sand	SM					

•• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/26
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/26/94
 LOCATION ID: 0159 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 3 at Grid 300N, 240E. South side of crater on rim.
 COMMENTS: Start 1155
 FIELD REPRESENTATIVE(S): Pkan

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand 5YR 5/4	SC					
10				100	Clayey Silty Sand 5YR 5/4	SC					
15				100	Clayey Silty Sand 5YR 5/4	SC					
20				100	Clayey Silty Sand 5YR 5/4	SC					
25				100	Silty Sand 5YR 5/4	SM					
30				100	Clayey Silty Sand 5YR 5/4	SC					
35				100	Silty Sand 5YR 5/4	SM					
40				100	Silty Sand 5YR 5/4	SM					
45				100	Silty Sand 5YR 5/4	SM					
50				100	Silty Sand 5YR 5/4	SM					
55				100	Silty Sand 5YR 5/4	SM					
60				100	Silty Sand 5YR 5/4	SM					

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Pkan 8/26/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRILD 154 DATE: 8/26
 LOCATION ID: 0160 BORE HOLE DEPTH (FT): _____
 BORE HOLE DIAMETER (IN): 3" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 320 N, 340 E Geophysical Area 3
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Inside CLARER

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0.5					2.7 YR 4/4 Silty Sand	SM					
1.0					7.5 YR 4/4 Silty Sand	SM					
1.5					7.5 YR 6/4 Silty Sand	SM					
2.0					7.5 YR 4/4 Silty Sand	SM					
2.5					7.5 YR 6/4 Silty Sand	SM					
3.0		004	A	100%	7.5 YR 4/4 Silty Sand	SM					
3.5					7.5 YR 4/4 Silty Sand	SM					
4.0					7.5 YR 6/4 Silty Sand	SM					
4.5					7.5 YR 6/4 Silty Sand	SM					
5.0					7.5 YR 6/4 Silty Sand	SM					
5.5					7.5 YR 6/4 Silty Sand	SM					
6.0					7.5 YR 6/4 Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/26
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/26/94
 LOCATION ID: 0161 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 3 - Grid 300E, 220N ^{plan}
300N, 220E West side of crater
 COMMENTS: Start 1225
 FIELD REPRESENTATIVE(S): Dkm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
0.5				100	clayey silty sand 5 YR 5/4	SC				Some Organic	
1.0				100	clayey silty sand 5 YR 5/4	SC					
1.5				100	Silty Sand 5 YR 5/4	SM					
2.0				100	Silty Sand 5 YR 5/4	SM				some cement	
2.5		0001	A	100	Silty Sand 5 YR 5/4	SM				some cement	
3.0				100	Silty Sand 5 YR 5/4	SM					
3.5				100	Silty Sand 5 YR 5/4	SM					
4.0				100	Silty Sand 5 YR 5/4	SM					
5.0				100	Silty Sand 5 YR 5/4	SM					
5.5				100	Silty Sand 5 YR 5/4	SM					
6.0				100	Silty Sand 5 YR 5/4	SM					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

R. K. Mison 8/26/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL 154 DATE: 8/26
 LOCATION ID: 0162 BORE HOLE DEPTH (FT): _____
 BORE HOLE DIAMETER (IN): _____ CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 320N, 225E Geophys Area 3
 COMMENTS: on outer edge of crater.
 FIELD REPRESENTATIVE(S): _____

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0.5					7.5YR 6/4 silty sand	SM					
1.5					7.5YR 6/4 silty sand	SM					
2.0					7.5YR 5/4 silty sand	SM					
2.5					7.5YR 5/4 silty sand	SM					
3.0					7.5YR 5/4 silty sand	SM					
3.5					7.5YR 5/4 silty sand	SM					
4.0					10YR 7/3 silty sand	SM					
4.5					10YR 7/3 silty sand	SM					
5.0					10YR 7/3 silty sand	SM					
5.5					10YR 7/3 silty sand	SM					
6.0					10YR 7/3 silty sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

mm 8/26
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/26
 LOCATION ID: D163 BORE HOLE DEPTH (FT): _____
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: S20E, 320N Geophys Area 3
 COMMENTS: edge of crater
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					7.5YR 4/4 Silty sand	SM					
1.0					7.5YR 4/4 Silty sand	SM					
1.5					7.5YR 4/4 Silty sand	SM					
2.0					7.5YR 4/4 Silty sand	SM					
2.5					10YR 6/3 Silty sand	SM					
3.0					10YR 6/3 Silty sand	SM					
3.5					10YR 6/3 Silty sand	SM					
4.0					10YR 6/3 Silty sand	SM					
4.5					10YR 6/3 Silty sand	SM					
5.0					10YR 6/3 Silty sand	SM					
5.5					10YR 6/3 Silty sand	SM					
6.0					10YR 6/3 Silty sand	SM					

** SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/26
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

C-43

SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/26/94
 LOCATION ID: 0164 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical area 3 - Grid 340N, 500E in center of crater
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Pear

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Sand	5YR 5/4 SC				Some rock debris	
1.0				100	Silty Clayey Sand	5YR 5/4 SC					
1.5				100	Silty Clayey Sand	5YR 5/4 SC					
2.0				100	Silty Clayey Sand	5YR 5/4 SC					
2.5		0001	A	100	Silty Clayey Sand	5YR 5/4 SC					
3.0				100	Silty Clayey Sand	5YR 5/4 SC					
3.5				100	Silty Clayey Sand	5YR 5/4 SC					
4.0				100	Silty Clayey Sand	5YR 5/4 SC					
4.5				100	Silty Clayey Sand	5YR 5/4 SC					
5.0				100	Silty Clayey Sand	5YR 5/4 SC					
5.5				100	Silty Clayey Sand	5YR 5/4 SC					
6.0				100	Silty Clayey Sand	5YR 5/4 SC					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Pear 8/26/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: ^{PKM} ~~KRTLD00~~ KRTLD154 DATE: 8/26/94
 LOCATION ID: 0165 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 3 - Grid 360N, 500E,
 North edge of crater
 COMMENTS:
 FIELD REPRESENTATIVE(S): PKM, J Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					CLAYEY SILTY SAND 5YR 5/4	SC					
1.0					CLAYEY SILTY SAND 5YR 5/4	SC				some organic material	
1.5					CLAYEY SILTY SAND 5YR 5/4	SC				some debris	
2.0					CLAYEY SILTY SAND 5YR 5/4	SC					
2.5		0001	A		CLAYEY SILTY SAND 5YR 5/4	SC				Rock debris	
3.0					SILTY SAND 5YR 5/4	SC					
3.5					SILTY SAND 5YR 5/4	SC				Rock debris	
4.0					SILTY SAND 5YR 5/4	SC				cementation	
4.5					SILTY SAND 5YR 5/4	SC					
5.0					SILTY SAND 5YR 5/4	SC					
5.5					SILTY SAND 5YR 5/4	SC				Cementation	
6.0					SILTY SAND 5YR 5/4	SC					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
 Rick Whitt 8/26/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KATLD154 DATE: 9/16/94
 LOCATION ID: 0206 BORE HOLE DEPTH (FT): 5.5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4. ~150 west of NW corner of grid.
In linear depression on north side. ~30' south of road
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Penn

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	clayey silty sand S4R 6/4	SM					
1.0				100	clayey silty sand S4R 6/4	SM					
1.5				100	clayey silty sand S4R 6/4	SM					
2.0				100	clayey silty sand S4R 6/4	SM					
2.2		0001	A	100	clayey silty sand S4R 6/4	SM					
2.5				100	clayey silty sand S4R 6/4	SM					
3.0				100	clayey silty sand S4R 6/4	SM					
3.5				100	clayey silty sand S4R 6/4	SM					
4.0				100	clayey silty sand S4R 6/4	SM					
4.5				100	silty sand S4R 6/4	SM					
5.0				100	silty sand S4R 6/4	SM					
5.5			50	50	silty sand S4R 7/3	SM					
6.0					Stop at 5.5' due to no penetration possible						

•• SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
For K. Min 9/16/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD 154DATE: 9/16LOCATION ID: 0207BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geo phys Area 4. 150' w of NW corner of Grid in long depression

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					7.5 YR 6/4 Clayey Silty Sand	SM					
1.0					7.5 YR 6/4 Clayey Silty Sand	SM					
1.5					7.5 YR 6/4 Clayey Silty Sand	SM					
2.0					7.5 YR 6/4 Clayey Silty Sand	SM					
2.5					7.5 YR 6/4 Clayey Silty Sand	SM					
3.0					7.5 YR 6/4 Clayey Silty Sand	SM					
3.5					7.5 YR 6/4 Clayey Silty Sand	SM					
4.0					7.5 YR 6/4 Clayey Silty Sand	SM					
4.5					7.5 YR 6/4 Clayey Silty Sand	SM					
5.0					7.5 YR 6/4 Clayey Silty Sand	SM					
5.5					7.5 YR 6/4 Clayey Silty Sand	SM					
6.0					7.5 YR 6/4 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KATLD154 DATE: 9/16/94
 LOCATION ID: 0208 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4. ~150' west of NW corner of grid
In center of linear depression.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): DKR

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand S4R 6/4	SM					
1.0				100	Clayey Silty Sand S4R 6/4	SM					
1.5				100	Clayey Silty Sand S4R 6/4	SM				Rock, cementation	
2.0				100	Clayey Silty Sand S4R 6/4	SM				"	
2.5				100	Clayey Silty Sand S4R 6/4	SM				"	
3.0				100	Clayey Silty Sand S4R 6/4	SM				"	
3.5				100	Clayey Silty Sand S4R 6/4	SM				"	
4.0				100	Clayey Silty Sand S4R 6/4	SM				"	
4.5				100	Clayey Silty Sand S4R 6/4	SM				"	
5.0				100	Clayey Silty Sand S4R 6/4	SM				"	
5.5				100	Clayey Silty Sand S4R 6/4	SM				"	
6.0				100	Clayey Silty Sand S4R 6/4	SM				"	

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

DKR 9/16/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTIP 1541 DATE: 7/16
 LOCATION ID: 0209 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4, Approx 150' W of NW
Corner of Gr. 2. Southern end long depression
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 6/4 Clayey Silty Sand	SN					
1.0					7.5 YR 6/4 Clayey Silty Sand	SN					
1.5					7.5 YR 6/4 Clayey Silty Sand	SN					
2.0		0001	A		7.5 YR 6/4 Clayey Silty Sand	SN				Very Hard	
2.5					7.5 YR 6/4 Clayey Silty Sand	SN					
3.0					7.5 YR 6/4 Clayey Silty Sand	SN					
3.5					7.5 YR 6/4 Clayey Silty Sand	SN					
4.0					7.5 YR 6/4 Clayey Silty Sand	SN					
4.5					7.5 YR 6/4 Clayey Silty Sand	SN					
5.0					7.5 YR 6/4 Clayey Silty Sand	SN					
5.5					7.5 YR 6/4 Clayey Silty Sand	SN					
6.0					7.5 YR 6/4 Clayey Silty Sand	SN					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 9/16
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KETCD 154DATE: 9/16/94LOCATION ID: 0210BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 4. Approx 40' west of NW corner of grid, in N-S depression. Watermark sample in depression

COMMENTS: _____

FIELD REPRESENTATIVE(S): Allen

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
5				100	clayey silty sand SYR 6/4	SM					
1.0				100	clayey silty sand SYR 6/4	SM					
1.5				100	clayey silty sand SYR 6/4	SM					
2.0				100	clayey silty sand SYR 6/4	SM					
2.5				100	clayey silty sand SYR 6/4	SM					
3.0				100	clayey silty sand SYR 6/4	SC					
3.5				100	clayey silty sand SYR 6/4	SC					
4.0				100	clayey silty sand SYR 6/4	SC					
4.5				100	clayey silty sand SYR 6/4	SC					
5.0				100	clayey silty sand SYR 6/4	SC					
5.5				100	clayey silty sand SYR 6/4	SC					
6.0				100	clayey silty sand SYR 6/4	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 151 DATE: 9/16
 LOCATION ID: 0211 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4. 700' north of north
west corner in long depression. OF, 500 N
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	2.5 YR 5/4 Clayey Silty Sand	SA					
1.0					7.5 YR 5/4 Clayey Silty Sand	SM					
1.5					7.5 YR 5/4 Clayey Silty Sand	SM					
2.0					7.5 YR 5/4 Clayey Silty Sand	SM					
2.5					7.5 YR 5/4 Clayey Silty Sand	SC					
3.0					7.5 YR 5/4 Clayey Silty Sand	SC					
3.5					7.5 YR 5/4 Clayey Silty Sand	SC					
4.0					7.5 YR 6/4 Clayey Silty Sand	SC					
4.5					7.5 YR 7/4 Clayey Silty Sand	SC					
5.0					7.5 YR 7/4 Clayey Silty Sand	SC					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 9/16
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD154DATE: 9/16/94LOCATION ID: 0212BORE HOLE DEPTH (FT): 3.0BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area 4. Approx ~~100' south of~~ NW corner of
In North/South trending linear trench (~~100' south of~~)COMMENTS: 10E, 480NFIELD REPRESENTATIVE(S): PLH

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand 54R 6/4	SC					
1.0				100	Clayey Silty Sand 54R 6/4	SC					
1.5				100	Clayey Silty Sand 54R 6/4	SC					
2.0				100	Clayey Silty Sand 54R 6/4	SC					
2.5				100	Clayey Silty Sand 54R 6/4	SC					
3.0				100	Clayey Silty Sand 54R 6/4	SC					
					Hit large obstruction at 3' stop & sample above obstruction						

SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

PLH 9/16/94
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 15' DATE: 9/16
 LOCATION ID: 0213 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4. 10E, 500N 470N
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					7.5YR 6/4 Clayey Silty Sand	SH					
1.0					7.5YR 5/4 Clayey Silty Sand	SH					
1.5					7.5YR 5/4 Clayey Silty Sand	SH					
2.0					7.5YR 5/4 Clayey Silty Sand	SH					
2.5					7.5YR 5/4 Clayey Silty Sand	SH					
3.0					7.5YR 5/4 Clayey Silty Sand	SH					
3.5					7.5YR 5/4 Clayey Silty Sand	SH					
4.0					7.5YR 5/4 Clayey Silty Sand	SH					
4.5					7.5YR 5/4 Clayey Silty Sand	SH					
5.0					7.5YR 5/4 Clayey Silty Sand	SH					
5.5					7.5YR 5/4 Clayey Silty Sand	SH					
6.0					7.5YR 5/4 Clayey Silty Sand	SH					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: HTD154 DATE: 9/19/94
 LOCATION ID: 0214 BORE HOLE DEPTH (FT): 3.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4. Grid 230E, 300N. On
Asphalt edge of borrow area
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Plm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand 5YR 5/4	SM					
1.0				100	Clayey Silty Sand 5YR 5/4	SM					
1.5				100	Clayey Silty Sand 5YR 5/4	SM					
2.0				100	Clayey Silty Sand 5YR 5/4	SM					
2.5				100	Clayey Silty Sand 5YR 5/4	SM					
3.0					Obstruction at 3'						
					Sample from 2-3'						

•• **SAMPLE METHODS**
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• **CONSTRUCTION METHODS**
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Plm 9/19/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KR12D154 DATE: 9/19
 LOCATION ID: 0245 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 240E, 300N geophys Area 4
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 6/6 Clayey Silty Sand	SM					
1.0					7.5YR 6/6 Clayey Silty Sand	SM					
1.5					7.5YR 6/6 Clayey Silty Sand	SM					
2.0					7.5YR 6/6 Clayey Silty Sand	SM					
2.5		0001	A		7.5YR 6/6 Clayey Silty Sand	SM					
3.0					7.5YR 7/4 Clayey Silty Sand	SM					
3.5					7.5YR 7/4 Clayey Silty Sand	SM					
4.0					7.5YR 8/4 Clayey Silty Sand	SM					
4.5					7.5YR 8/4 Clayey Silty Sand	SM					
5.0					7.5YR 8/4 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/19/44
 LOCATION ID: 0216 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4, Grid 2600E, 300N
Approx 20' west of borrow pit
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): RKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
0.5				100	clayey silty sand S4R 5/4	sm					
1.0				100	clayey silty sand S4R 5/4	sm					
1.5				100	clayey silty sand S4R 5/4	sm					
2.0				100	clayey silty sand S4R 5/4	sm					
2.5				100	silty sand S4R 7/3	sm					
3.0				100	silty sand S4R 7/3	sm					
3.5				100	silty sand S4R 7/3	sm					
4.0				100	silty sand S4R 7/3	sm					
4.5				100	silty sand S4R 7/3	sm					
5.0				100	silty sand S4R 7/3	sm					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
RKM 9/19/44

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD 157DATE: 9/19LOCATION ID: 0217BORE HOLE DEPTH (FT): 4.5BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophys Area 4 280E, 300N

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 5/6 Clayey Silty Sand	SM					
1.0					7.5YR 5/6 Clayey Silty Sand	SM					
1.5					7.5YR 5/6 Clayey Silty Sand	SM					
2.0		0001	A		7.5YR 5/6 Clayey Silty Sand	SM					
2.5					7.5YR 6/4 Clayey Silty Sand	SM					
3.0					7.5YR 6/4 Clayey Silty Sand	SM					
3.5					7.5YR 8/6 Clayey Silty Sand	SM					
4.0					7.5YR 8/4 Clayey Silty Sand	SM					
4.5					7.5YR 8/4 Clayey Silty Sand	SM					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD154 DATE: 9/19/94 ^{pen}
 LOCATION ID: 0218 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4. Grid 350N, 290E
On top of small debris pile.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): pen

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand SYR 5/4	SC					
1.0				100	Clayey Silty Sand SYR 5/4	SC					
1.5				100	Clayey Silty Sand SYR 5/4	SM					
2.0				100	Clayey Silty Sand SYR 5/4	SM				rock debris	
2.5				100	Clayey Silty Sand SYR 5/4	SM				"	
3.0		0001	A	100	Clayey Silty Sand SYR 5/4	SM				"	
3.5				100	Clayey Silty Sand SYR 6/4	SM				"	
4.0				100	Silty Sand SYR 7/3	SM				Cementation	
4.5				100	Silty Sand SYR 7/3	SM				"	
5.0				100	Silty Sand SYR 7/3	SM				"	

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
pen 9/19/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 15' DATE: 7/19
 LOCATION ID: 0219 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4, 260E, 360N
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 6/4 Clayey Silty Sand	sn					
1.0					7.5YR 6/4 Clayey Silty Sand	sn					
1.5					7.5YR 5/4 Clayey Silty Sand	sn					
2.0					7.5YR 5/4 Clayey Silty Sand	sn					
2.5	—	0001	A		7.5YR 5/4 Clayey Silty Sand	sn					
3.0					7.5YR 5/4 Clayey Silty Sand	sn					
3.5					7.5YR 5/4 Clayey Silty Sand	sn					
4.0					7.5YR 5/4 Clayey Silty Sand	sn					
4.5					7.5YR 7/4 Clayey Silty Sand	sn					
5.0	—				7.5YR 7/4 Clayey Silty Sand	sn					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD154 DATE: 9/19/94
 LOCATION ID: 0220 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4 Cont 300E, 360W On
cut side of dirt pile and excavation
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKA

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand S 4R 3/4	SM					
1.0				100	Clayey Silty Sand S 4R 6/4	SC					
1.5				100	Clayey Silty Sand S 4R 4/4	SC					
2.0		0001	A	100	Clayey Silty Sand S 4R 6/4	SC				Rock Fragments	
2.5				100	Silty Sand S 4R 7/3	SM				Some cement	
3.0				100	Silty Sand S 4R 7/3	SM				"	
3.5				100	Silty Sand S 4R 7/3	SM				"	
4.0				100	Silty Sand S 4R 7/3	SM				"	
4.5				100	Silty Sand S 4R 7/3	SM				Cementation	
5.0				100	Silty Sand S 4R 7/3	SM				"	
					Stop at 5. Well into caliche						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHIELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PKA 9/19/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL154 DATE: 9/19
 LOCATION ID: 0221 BORE HOLE DEPTH (FT): 5.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4 290 E, 370 N
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 6/4 Clayey Silty Sand	SN					
1.0					7.5YR 6/4 Clayey Silty Sand	SN					
1.5					7.5YR 6/4 Clayey Silty Sand	SN					
2.0					7.5YR 6/4 Clayey Silty Sand	SN					
2.5					7.5YR 4/4 Clayey Silty Sand	SC					
3.0					7.5YR 6/4 Clayey Silty Sand	SC					
3.5					7.5YR 6/4 Clayey Silty Sand	SC					
4.0					7.5YR 7/4 Clayey Silty Sand	SC					
4.5					7.5YR 7/4 Clayey Silty Sand	SN					
5.0					7.5YR 7/4 Clayey Silty Sand	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STANDARD ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/19/94
 LOCATION ID: 0222 BORE HOLE DEPTH (FT): 5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 4 ~200' NE of gridded area
100' South of road. In depression on south side
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Pku

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand S4R 6/4	Sm					
1.0				100	Clayey Silty Sand S4R 6/4	Sm					
1.5				100	clayey Silty Sand S4R 6/4	Sm					
2.0				100	clayey Silty Sand S4R 6/4	Sm				over cement	
2.5				100	clayey Silty Sand S4R 6/4	Sm				"	
3.0				100	clayey Silty Sand S4R 6/4	Sm				"	
3.5				100	Silty Sand S4R 7/4	Sm				Cementation	
4.0				100	Silty Sand S4R 7/3	Sm				"	
4.5				100	Silty Sand S4R 7/3	Sm				"	
5.0				100	Silty Sand S4R 7/3	Sm				"	
					Stop at 5' well into caliche layer						

•• SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Pku 9/19/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154DATE: 9/19LOCATION ID: 0223BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ATLOCATION DESCRIPTION: Geophysical Area 4 200' NE of Grid. 100'
South of Road in slight depression

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.57R 6/4 Clayey Silty Sand	SM					
1.0					7.57R 6/4 Clayey Silty Sand	SM					
1.5					7.57R 6/4 Clayey Silty Sand	SM					
2.0					7.57R 6/4 Clayey Silty Sand	SM					
2.5		0001	A		7.57R 6/4 Clayey Silty Sand	SM					
3.0					7.57R 6/4 Clayey Silty Sand	SM					
3.5					7.57R 6/4 Clayey Silty Sand	SM					
4.0					7.57R 6/4 Clayey Silty Sand	SM					
4.5					7.57R 6/4 Clayey Silty Sand	SM					
5.0					7.57R 6/4 Clayey Silty Sand	SM					
5.5					7.57R 7/4 Clayey Silty Sand	SM					
6.0					7.57R 7/4 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30/94
 LOCATION ID: 0226 BORE HOLE DEPTH (FT): 4
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 5. Just east of I-beam
Approx. 250W, 200E. Southernmost of 2 adjacent samples.
 COMMENTS: Hit obstruction at 4' Stop + Sample
 FIELD REPRESENTATIVE(S): Pkan

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand 5YR 5/6	SC					
2.0				100	Coarse Medium Sand 5YR 5/6	SP					
2.5				100	Coarse Sand w/Silt + Cobbles 5YR 5/6	SP					
3.0				100	Clayey Silty Sand (Coarse) w/Cobbles 5YR 5/6	SP					
3.5				100	Clayey Silty Sand (medium) w/Cobbles 5YR 5/6	SM					
4.0				100	Clayey Silty Sand (medium) 5YR 5/6	SM					
				100	Clayey Silty Sand (medium) 5YR 5/6	SC					
					HIT OBSTRUCTION STOP + SAMPLE						
					↳ Large rock or cement						

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Pkan 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/30
 LOCATION ID: 0227 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 240N, 200E Geophy, Area 5
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 6/4 Clayey Silty Sand	sn					
1.0					7.5YR 6/4 Clayey Silty Sand	sn					
1.5					7.5YR 6/4 Clayey Silty Sand	sn					
2.0					7.5YR 6/4 Clayey Silty Sand	sn					
2.5					7.5YR 6/4 Clayey Silty Sand	sn					
3.0					7.5YR 6/4 Clayey Silty Sand	sn					
3.5					7.5YR 6/4 Clayey Silty Sand	sn					
4.0					7.5YR 6/4 Clayey Silty Sand	sn					
4.5					7.5YR 6/4 Silty Sand	sn					
5.0					7.5YR 6/4 Silty Sand	sn					
5.5					7.5YR 6/4 Silty Sand	sn					
6.0					7.5YR 6/4 Silty Sand	sn					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/30/94
 LOCATION ID: 0228 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 5 → 350N, 170E, Northernmost of the 2 adjacent sampling locations
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PLM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand SYR S/G	SC					
1.0				100	Clayey Silty Sand SYR S/G	SC					
1.5				100	Clayey Silty Sand SYR S/G	SC					
2.0				100	Clayey Silty Sand SYR S/G	SC					
2.5		0001	A	100	Clayey Silty Sand SYR S/G	SC					
3.0				100	Clayey Silty Sand SYR S/G	SC					
3.5				100	Clayey Silty Sand SYR S/G	SC					
4.0				100	Clayey Silty Sand SYR S/G	SC				Some cementation	
4.5				100	Silty Sand SYR G/G	SM				Cementation	
5.0				100	Silty Sand SYR G/G	SM				"	
5.5				100	Silty Sand SYR G/G	SM				"	
6.0				100	Silty Sand SYR G/G	SM				"	

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PLM 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD154 DATE: 8/30
 LOCATION ID: 0229 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 350N, 170E Approx, Geophys Area 5
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 7/2 Silty coarse sand	SM				some cementation ↓ Heavy Cementation	
1.0					7.5YR 7/2 Silty coarse sand	SM					
1.5					7.5YR 7/2 Silty coarse sand	SM					
2.0					7.5YR 7/2 Silty coarse sand	SM					
2.5					7.5YR 7/2 Silty coarse sand	SM					
3.0					7.5YR 7/2 Silty coarse sand	SM					
3.5					7.5YR 7/2 Silty coarse sand	SM					
4.0					7.5YR 7/2 Silty coarse sand	SM					
4.5					7.5YR 7/2 Silty coarse sand	SM					
5.0					7.5YR 7/2 Silty coarse sand	SM					
5.5					7.5YR 7/2 Silty coarse sand	SM					
6.0					7.5YR 8/4 Silty sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MMK 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30/94
 LOCATION ID: 0230 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 5 460N 80E
Adjacent to green post
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Pkm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand 5 YR 5/6	SC				Wood fragments	
6.0				100	Clayey Silty Sand 5 YR 5/6	SC				Rock fragments	
1.5				100	Clayey Silty Sand 5 YR 5/6	SC				"	
2.0				100	Clayey Silty Sand 5 YR 5/6	SC				"	
2.5				100	Clayey Silty Sand 5 YR 5/6	SC				"	
2.5				100	Clayey Silty Sand 5 YR 5/6	SC				"	
2.5				100	Clayey Silty Sand 5 YR 5/6	SC				Rock frags + cement	
3.5				100	Clayey Silty Sand 5 YR 5/6	SC				Rock frags + cement	
4.0				100	Clayey Silty Sand 5 YR 5/6	SC				"	
4.5				100	Clayey Silty Sand 5 YR 5/6	SC				Rock frags	
5.0				100	Clayey Silty Sand 5 YR 5/6	SC					
5.5				100	Clayey Silty Sand 5 YR 5/6	SC					
6.0				100	Clayey Silty Sand 5 YR 5/6	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Pkm 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/30
 LOCATION ID: 0231 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): _____ CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 40E, 450N, Geophys area 5
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 7/2 Silty Coarse Sand	SN				Some Pebbles/ Rock debris	
1.0					7.5YR 7/2 Silty Coarse Sand	SN					
1.5					7.5YR 7/2 Silty Coarse Sand	SN					
2.0					7.5YR 7/2 Silty Coarse Sand	SN					
2.5					7.5YR 7/2 Silty Coarse Sand	SN					
3.0					7.5YR 7/2 Silty Coarse Sand	SN					
3.5					7.5YR 7/2 Silty Coarse Sand	SN					
4.0					7.5YR 7/2 Silty Coarse Sand	SN					
4.5					7.5YR 7/2 Silty Coarse Sand	SN					
5.0					7.5YR 7/2 Silty Coarse Sand	SN					
5.5					7.5YR 7/2 Silty Coarse Sand	SN					
6.0					7.5YR 7/2 Silty Coarse Sand	SN					

** SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KPTLD154 DATE: 8/30/94
 LOCATION ID: 0232 BORE HOLE DEPTH (FT): 12
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: North of Geophysical Area 5. Approx 100' north of
large center. Adjacent to garden post. Westernmost sample.
 COMMENTS: 420' well
 FIELD REPRESENTATIVE(S): P. K. M.

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand SYR S/L	SC					
1.2				100	Clayey Silty Sand SYR S/L	SC					
1.5				100	Clayey Silty Sand SYR S/L	SC					
2.0				100	Clayey Silty Sand SYR S/L	SC					
2.5			A	100	Clayey Silty Sand SYR S/L	SC					
3.2				100	Clayey Silty Sand SYR S/L	SC					
3.5				100	Clayey Silty Sand SYR S/L	SC					
4.0				100	Clayey Silty Sand SYR S/L	SC					
4.5				100	Clayey Silty Sand SYR S/L	SC					
5.0				100	Clayey Silty Sand SYR S/L	SC					
5.5				100	Clayey Silty Sand SYR S/L	SC					
6.0				100	Silty Sand SYR G/L	SM				Consolidation	

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

P. K. M. 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL01541 DATE: 8/30
 LOCATION ID: 0233 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): _____ CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: A 100' North of large. center. S' east of
Blue pipe.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	10YR 4/6 Clayey Silty Sand	SN					
1.0					2.5YR 7/2 Clayey Silty Sand	SN					
1.5					7.5YR 7/2 Clayey Silty Sand	SN					
2.0					7.5YR 7/2 Clayey Silty Sand	SN					
2.5					7.5YR 7/2 Clayey Silty Sand	SN					
3.0					7.5YR 7/2 Clayey Silty Sand	SN					
3.5					7.5YR 7/2 Clayey Silty Sand	SN					
4.0					7.5YR 7/2 Clayey Silty Sand	SN					
4.5					7.5YR 7/2 Clayey Silty Sand	SN					
5.0					7.5YR 7/2 Clayey Silty Sand	SN					
5.5					7.5YR 7/2 Clayey Silty Sand	SN					
6.0					7.5YR 8/4 Clayey Silty Sand	SN					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MR 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

LITHOLOGIC LOG (FOR TRENCH, WAKE ADVANCEMENT)											
DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand 5YR 5/6	SC					
1.0				100	Clayey Silty Sand 5YR 5/6	SC				Some pebbles	
1.5				100	Clayey Silty Sand 5YR 5/6	SC				Some pebbles	
2.0				100	Clayey Silty Sand 5YR 5/6	SC					
2.5			A	100	Clayey Silty Sand 5YR 5/6	SC					
3.0				100	Clayey Silty Sand 5YR 5/6	SC					
3.5				100	Clayey Silty Sand 5YR 5/6	SC					
4.0				100	Clayey Silty Sand 5YR 5/6	SC					
4.5				100	Clayey Silty Sand 5YR 5/6	SC					
5.0				100	Clayey Silty Sand 5YR 5/6	SC					
5.5				100	Clayey Silty Sand 5YR 5/6	SC					
6.0				100	Clayey Silty Sand 5YR 5/6	SC					
6.5				100	Clayey Silty Sand 5YR 5/6	SC					
7.0				100	Clayey Silty Sand 5YR 5/6	SC					
7.5				100	Clayey Silty Sand 5YR 5/6	SC					
8.0				100	Clayey Silty Sand 5YR 5/6	SC					
8.5				100	Clayey Silty Sand 5YR 5/6	SC					
9.0				100	Clayey Silty Sand 5YR 5/6	SC					
9.5				100	Clayey Silty Sand 5YR 5/6	SC					
10.0				100	Clayey Silty Sand 5YR 5/6	SC					
10.5				100	Clayey Silty Sand 5YR 5/6	SC					
11.0				100	Clayey Silty Sand 5YR 5/6	SC					
11.5				100	Clayey Silty Sand 5YR 5/6	SC					
12.0				100	Clayey Silty Sand 5YR 5/6	SC					
12.5				100	Clayey Silty Sand 5YR 5/6	SC					
13.0				100	Clayey Silty Sand 5YR 5/6	SC					
13.5				100	Clayey Silty Sand 5YR 5/6	SC					
14.0				100	Clayey Silty Sand 5YR 5/6	SC					
14.5				100	Clayey Silty Sand 5YR 5/6	SC					
15.0				100	Clayey Silty Sand 5YR 5/6	SC					
15.5				100	Clayey Silty Sand 5YR 5/6	SC					
16.0				100	Clayey Silty Sand 5YR 5/6	SC					
16.5				100	Clayey Silty Sand 5YR 5/6	SC					
17.0				100	Clayey Silty Sand 5YR 5/6	SC					
17.5				100	Clayey Silty Sand 5YR 5/6	SC					
18.0				100	Clayey Silty Sand 5YR 5/6	SC					
18.5				100	Clayey Silty Sand 5YR 5/6	SC					
19.0				100	Clayey Silty Sand 5YR 5/6	SC					
19.5				100	Clayey Silty Sand 5YR 5/6	SC					
20.0				100	Clayey Silty Sand 5YR 5/6	SC					
20.5				100	Clayey Silty Sand 5YR 5/6	SC					
21.0				100	Clayey Silty Sand 5YR 5/6	SC					
21.5				100	Clayey Silty Sand 5YR 5/6	SC					
22.0				100	Clayey Silty Sand 5YR 5/6	SC					
22.5				100	Clayey Silty Sand 5YR 5/6	SC					
23.0				100	Clayey Silty Sand 5YR 5/6	SC					
23.5				100	Clayey Silty Sand 5YR 5/6	SC					
24.0				100	Clayey Silty Sand 5YR 5/6	SC					
24.5				100	Clayey Silty Sand 5YR 5/6	SC					
25.0				100	Clayey Silty Sand 5YR 5/6	SC					
25.5				100	Clayey Silty Sand 5YR 5/6	SC					
26.0				100	Clayey Silty Sand 5YR 5/6	SC					
26.5				100	Clayey Silty Sand 5YR 5/6	SC					
27.0				100	Clayey Silty Sand 5YR 5/6	SC					
27.5				100	Clayey Silty Sand 5YR 5/6	SC					
28.0				100	Clayey Silty Sand 5YR 5/6	SC					
28.5				100	Clayey Silty Sand 5YR 5/6	SC					
29.0				100	Clayey Silty Sand 5YR 5/6	SC					
29.5				100	Clayey Silty Sand 5YR 5/6	SC					
30.0				100	Clayey Silty Sand 5YR 5/6	SC					
30.5				100	Clayey Silty Sand 5YR 5/6	SC					
31.0				100	Clayey Silty Sand 5YR 5/6	SC					
31.5				100	Clayey Silty Sand 5YR 5/6	SC					
32.0				100	Clayey Silty Sand 5YR 5/6	SC					
32.5				100	Clayey Silty Sand 5YR 5/6	SC					
33.0				100	Clayey Silty Sand 5YR 5/6	SC					
33.5				100	Clayey Silty Sand 5YR 5/6	SC					
34.0				100	Clayey Silty Sand 5YR 5/6	SC					
34.5				100	Clayey Silty Sand 5YR 5/6	SC					
35.0				100	Clayey Silty Sand 5YR 5/6	SC					
35.5				100	Clayey Silty Sand 5YR 5/6	SC					
36.0				100	Clayey Silty Sand 5YR 5/6	SC					
36.5				100	Clayey Silty Sand 5YR 5/6	SC					
37.0				100	Clayey Silty Sand 5YR 5/6	SC					
37.5				100	Clayey Silty Sand 5YR 5/6	SC					
38.0				100	Clayey Silty Sand 5YR 5/6	SC					
38.5				100	Clayey Silty Sand 5YR 5/6	SC					
39.0				100	Clayey Silty Sand 5YR 5/6	SC					
39.5				100	Clayey Silty Sand 5YR 5/6	SC					
40.0				100	Clayey Silty Sand 5YR 5/6	SC					
40.5				100	Clayey Silty Sand 5YR 5/6	SC					
41.0				100	Clayey Silty Sand 5YR 5/6	SC					
41.5				100	Clayey Silty Sand 5YR 5/6	SC					
42.0				100	Clayey Silty Sand 5YR 5/6	SC					
42.5				100	Clayey Silty Sand 5YR 5/6	SC					
43.0				100	Clayey Silty Sand 5YR 5/6	SC					
43.5				100	Clayey Silty Sand 5YR 5/6	SC					
44.0				100	Clayey Silty Sand 5YR 5/6	SC					
44.5				100	Clayey Silty Sand 5YR 5/6	SC					
45.0				100	Clayey Silty Sand 5YR 5/6	SC					
45.5				100	Clayey Silty Sand 5YR 5/6	SC					
46.0				100	Clayey Silty Sand 5YR 5/6	SC					
46.5				100	Clayey Silty Sand 5YR 5/6	SC					
47.0				100	Clayey Silty Sand 5YR 5/6	SC					
47.5				100	Clayey Silty Sand 5YR 5/6	SC					
48.0				100	Clayey Silty Sand 5YR 5/6	SC					
48.5				100	Clayey Silty Sand 5YR 5/6	SC					
49.0				100	Clayey Silty Sand 5YR 5/6	SC					
49.5				100	Clayey Silty Sand 5YR 5/6	SC					
50.0				100	Clayey Silty Sand 5YR 5/6	SC					
50.5				100	Clayey Silty Sand 5YR 5/6	SC					
51.0				100	Clayey Silty Sand 5YR 5/6	SC					
51.5				100	Clayey Silty Sand 5YR 5/6	SC					
52.0				100	Clayey Silty Sand 5YR 5/6	SC					
52.5				100	Clayey Silty Sand 5YR 5/6	SC					
53.0				100	Clayey Silty Sand 5YR 5/6	SC					
53.5				100	Clayey Silty Sand 5YR 5/6	SC					
54.0				100	Clayey Silty Sand 5YR 5/6	SC					
54.5				100	Clayey Silty Sand 5YR 5/6	SC					
55.0				100	Clayey Silty Sand 5YR 5/6	SC					
55.5				100	Clayey Silty Sand 5YR 5/6	SC					
56.0				100	Clayey Silty Sand 5YR 5/6	SC					
56.5				100	Clayey Silty Sand 5YR 5/6	SC					
57.0				100	Clayey Silty Sand 5YR 5/6	SC					
57.5				100	Clayey Silty Sand 5YR 5/6	SC					
58.0				100	Clayey Silty Sand 5YR 5/6	SC					
58.5				100	Clayey Silty Sand 5YR 5/6	SC					
59.0				100	Clayey Silty Sand 5YR 5/6	SC					
59.5				100	Clayey Silty Sand 5YR 5/6	SC					
60.0				100	Clayey Silty Sand 5YR 5/6	SC					
60.5				100	Clayey Silty Sand 5YR 5/6	SC					
61.0				100	Clayey Silty Sand 5YR 5/6	SC					
61.5				100	Clayey Silty Sand 5YR 5/6	SC					
62.0				100	Clayey Silty Sand 5YR 5/6	SC					
62.5				100	Clayey Silty Sand 5YR 5/6	SC					
63.0				100	Clayey Silty Sand 5YR 5/6	SC					
63.5				100	Clayey Silty Sand 5YR 5/6	SC					
64.0				100	Clayey Silty Sand 5YR 5/6	SC					
64.5				100	Clayey Silty Sand 5YR 5/6	SC					
65.0				100	Clayey Silty Sand 5YR 5/6	SC					
65.5				100	Clayey Silty Sand 5YR 5/6	SC					
66.0				100	Clayey Silty Sand 5YR 5/6	SC					
66.5				100	Clayey Silty Sand 5YR 5/6	SC					
67.0				100	Clayey Silty Sand 5YR 5/6	SC					
67.5				100	Clayey Silty Sand 5YR 5/6	SC					
68.0				100	Clayey Silty Sand 5YR 5/6	SC					
68.5				100	Clayey Silty Sand 5YR 5/6	SC					
69.0				100	Clayey Silty Sand 5YR 5/6	SC					
69.5				100	Clayey Silty Sand 5YR 5/6	SC					
70.0				100	Clayey Silty Sand 5YR 5/6	SC					
70.5				100	Clayey Silty Sand 5YR 5/6	SC					
71.0				100	Clayey Silty Sand 5YR 5/6	SC					
71.5				100	Clayey Silty Sand 5YR 5/6	SC					
72.0				100	Clayey Silty Sand 5YR 5/6	SC					
72.5				100	Clayey Silty Sand 5YR 5/6	SC					
73.0				100	Clayey Silty Sand 5YR 5/6	SC					
73.5				100	Clayey Silty Sand 5YR 5/6	SC					
74.0				100	Clayey Silty Sand 5YR 5/6	SC					
74.5				100	Clayey Silty Sand 5YR 5/6	SC					
75.0				100	Clayey Silty Sand 5YR 5/6	SC					
75.5				100	Clayey Silty Sand 5YR 5/6	SC					
76.0				100	Clayey Silty Sand 5YR 5/6	SC					
76.5				100	Clayey Silty Sand 5YR 5/6	SC					
77.0				100	Clayey Silty Sand 5YR 5/6	SC					
77.5				100	Clayey Silty Sand 5YR 5/6	SC					
78.0				100	Clayey Silty Sand 5YR 5/6	SC					
78.5				100	Clayey Silty Sand 5YR 5/6	SC					

P - AIR PERCUSSION
T - TRENCHING
B- BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154DATE: 8/30LOCATION ID: 0235BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Inside large Crater North of Geophys Area 5 on western slope.

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 6/4 Clayey Silty Sand	SM				Some Pebbles/ Concentrations Moist	
1.0					7.5 YR 6/4 Clayey Silty Sand	SM					
1.5					7.5 YR 6/4 Clayey Silty Sand	SM					
2.0					7.5 YR 7/4 Clayey Silty Sand	SM					
2.5					7.5 YR 7/4 Clayey Silty Sand	SM					
3.0					7.5 YR 7/4 Clayey Silty Sand	SM					
3.5					7.5 YR 4/4 Clayey Silty Sand	SM					
4.0					7.5 YR 4/4 Clayey Silty Sand	SM					
4.5					7.5 YR 4/4 Clayey Silty Sand	SM					
5.0					7.5 YR 4/4 Clayey Silty Sand	SM					
5.5					7.5 YR 4/4 Clayey Silty Sand	SM					
6.0					7.5 YR 4/4 Clayey Silty Sand	SM					

SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

MM 8/30/94
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30/94
 LOCATION ID: 0236 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area S - Crater just north of Area South rim of crater
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Pkan

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand 5YR 5/6	SC					
0				100	Clayey Silty Sand 5YR 5/6	SC				Some cobbles	
1.5				100	Clayey Silty Sand 5YR 5/6	SC					
2.0				100	Clayey Silty Sand 5YR 5/6	SC				Some pebbles	
2.5		2001	A	100	Clayey Silty Sand 5YR 5/6	SC				Cobbles	
3.0				100	Clayey Silty Sand 5YR 5/6	SC					
3.5				100	Clayey Silty Sand 5YR 5/6	SC					
4.0				100	Clayey Silty Sand 5YR 5/6	SC					
4.5				100	Clayey Silty Sand 5YR 5/6	SC					
5.0				100	Clayey Silty Sand 5YR 5/6	SC					
5.5				100	Clayey Silty Sand 5YR 5/6	SC					
6.0				100	Clayey Silty Sand 5YR 5/6	SC					

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Pkan 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD/54 DATE: 8/30
 LOCATION ID: 0237 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Large Crater north of Geophys Area 5.
Inside North East side of Crater.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 6/4 clayey silty sand	sn					
1.0					7.5 YR 6/4 clayey silty sand	sn					
1.5					7.5 YR 6/4 clayey silty sand	sn					
2.0					7.5 YR 6/4 clayey silty sand	sn					
2.5					7.5 YR 6/4 clayey silty sand	sn					
3.0					7.5 YR 6/4 clayey silty sand	sn					
3.5					7.5 YR 6/4 clayey silty sand	sn					
4.0					7.5 YR 6/4 clayey silty sand	sn					
4.5					7.5 YR 6/4 clayey silty sand	sn					
5.0					7.5 YR 6/4 clayey silty sand	sn					
5.5					7.5 YR 6/4 clayey silty sand	sn					
6.0					7.5 YR 6/4 clayey silty sand	sn					

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/31/94
 LOCATION ID: 0238 BORE HOLE DEPTH (FT): 4.5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 5 North of Gridded area
75' North of 232 & 233 (Green Post) In area of exposed concrete
Westernmost of 2 locations.
 COMMENTS: Hit obstruction in 2 holes at 4.5'
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand 5YR 5/4	SC				Rock fragments	
1.2				100	Clayey Silty Sand 5YR 5/4	SC				Rock fragments	
1.5				100	Clayey Silty Sand 5YR 5/4	SC				Rock fragments	
2.0				100	Clayey Silty Sand 5YR 5/4	SC				Rock fragments	
2.5				100	Clayey Silty Sand 5YR 5/4	SC				Rock fragments	
3.0				100	Clayey Silty Sand 5YR 5/4	SC				Rock frag.	
3.5				100	Clayey Silty Sand 5YR 5/4	SC				Rock, wood	
4.0				100	Clayey Silty Sand 5YR 5/4	SC				Rock Frags.	
4.5				100	Clayey Silty Sand 5YR 5/4	SC				Rock Frags	
					HIT OBSTRUCTION IN TWO HOLES AT 4.5'						

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PKM 8/31/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/31
 LOCATION ID: 0239 BORE HOLE DEPTH (FT): 4.5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysics Area 5. ~ 75' North 232 + 233
in area of exposed pad.
 COMMENTS: HER OBSTRUCTION AT 4.5'
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	10YR 6/4 Clayey Silty Sand	SA					
1.0					10YR 5/4 Clayey Silty Sand	SA					
1.5					10YR 5/4 Clayey Silty Sand	SA					
2.0		0001	A		10YR 5/4 Clayey Silty Sand	SA					
2.5					10YR 5/4 Clayey Silty Sand	SA					
3.0					10YR 5/4 Clayey Silty Sand	SA					
3.5					10YR 5/4 Clayey Silty Sand	SA					
4.0					10YR 5/4 Clayey Silty Sand	SA					
4.5				100% 50%	10YR 5/4 Clayey Silty Sand	SA					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/31
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD154DATE: 8/31/94LOCATION ID: 0240BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Geophysical Area North of Area Approx 75 North
of 0238 & 0239. Farthest west of 2 adjacent samples

COMMENTS: _____

FIELD REPRESENTATIVE(S): Plum

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand 5/8 5/4	SC				Rock Frag	
1.2				100	Clayey Silty Sand 5/8 5/4	SC				Rock Frag	
1.5				100	Clayey Silty Sand 5/8 5/4	SC				Rock Frag	
2.0				100	Silty Sand (Medium/Course) 5/8 5/4	SM				Cobbles	
2.5		001	A	100	Silty Sand (Medium/Course) 5/8 5/4	SM				Cobbles	
3.0				100	Silty Sand (Medium/Course) 5/8 5/4	SM				Cobbles	
3.5				100	Silty Sand (Med/Course) 5/8 5/4	SM				Cobbles	
4.0				100	Silty Sand (Med/Course) 5/8 5/4	SM				Cobbles	
4.5				100	Silty Sand (Med/Course) 5/8 5/4	SM				"	
5.0				100	Silty Sand (Course) 5/8 5/4	SM				"	
5.5				100	Silty Sand (Course) 5/8 5/4	SM				"	
6.0				100	Silty Sand (Course) 5/8 5/4	SM				"	

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Plum 8/31/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/31
 LOCATION ID: 0241 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: ~100' North of 239
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	10YR 7/4 COARSE Silty Sand	SM					
1.0					10YR 7/4 COARSE Silty Sand	SM					
1.5					10YR 7/4 COARSE Silty Sand	SM					
2.0					10YR 7/4 COARSE Silty Sand	SM					
2.5					10YR 7/4 COARSE Silty Sand	SM					
3.0					10YR 7/4 COARSE Silty Sand	SM					
3.5					10YR 7/4 COARSE Silty Sand	SM					
4.0					10YR 7/4 COARSE Silty Sand	SM					
4.5					10YR 7/4 COARSE Silty Sand	SM					
5.0					10YR 7/4 COARSE Silty Sand	SM					
5.5					10 1/2 7/4 COARSE Silty Sand	SM					
6.0					10 1/2 7/4 COARSE Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MR 8/31
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31/94
 LOCATION ID: 0242 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 5. North of grid Approx 250' east
of 0240 & 0241. Near concrete pad covered with steel plate
 COMMENTS: Sample from SW side of pad
 FIELD REPRESENTATIVE(S): Pkm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
1.5				100	clayey silty sand (medium) 5YR 6/4	SC				Some cobbles	
1.2				100	clayey silty sand (m) 5YR 6/4	SC				Some cobbles	
1.5				100	clayey silty sand 5YR 6/4	SC				cobbles	
2.0				100	clayey silty sand 5YR 5/4	SC					
2.5				100	clayey silty sand 5YR 5/4	SC					
3.0				100	clayey silty sand 5YR 5/4	SC					
3.5				100	clayey silty sand 5YR 5/4	SC					
4.0				100	clayey silty sand 5YR 5/4	SC					
4.5				100	clayey silty sand 5YR 5/4	SC					
5.0				100	clayey silty sand 5YR 5/4	SC					
5.5				100	clayey silty sand 5YR 5/4	SC					
6.0				100	clayey silty sand 5YR 5/4	SC					

•• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
Pkm 8/31/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRCD 154DATE: 8/31LOCATION ID: 0243BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: North East Corner of large Cement pad w/
Steel plate. North east of Geophys area 5.

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	10YR 7/4 Clayey Silty Sand	SM					
1.0					10YR 7/4 Clayey Silty Sand	SM					
1.5					10YR 7/4 Clayey Silty Sand	SM					
2.0					10YR 7/4 Clayey Silty Sand	SM					
2.5					10YR 7/4 Clayey Silty Sand	SM					
3.0		0001	A		10YR 7/4 Clayey Silty Sand	SM					
3.5					10YR 7/4 Clayey Silty Sand	SM					
4.0					10YR 5/4 Clayey Silty Sand	SM					
4.5					10YR 5/4 Clayey Silty Sand	SM					
5.0					10YR 5/4 Clayey Silty Sand	SM					
5.5					10YR 5/4 Clayey Silty Sand	SM					
6.0					10YR 5/4 Clayey Silty Sand	SM					

•• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KETLD154 DATE: 8/31/94
 LOCATION ID: 0244 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Geophysical Area 5 - North of Area - Pubs Test 11-B
Northernmost of all samples in area. About 200' east of desert fire cache on road.
Westernmost of 2 adjacent sampling locations.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Pkan

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand 5YR 6/4	SC				Rock debris	
1.0				100	Clayey Silty Sand 5YR 6/4	SC					
1.5				100	Clayey Silty Sand 5YR 6/4	SC					
2.0				100	Clayey Silty Sand 5YR 6/4	SC					
2.5				100	Clayey Silty Sand 5YR 6/4	SC					
3.0				100	Clayey Silty Sand 5YR 6/4	SC				Rock, cement Cement Cement Cement	
3.5				100	Clayey Silty Sand 5YR 6/4	SC					
4.0				100	Clayey Silty Sand 5YR 6/4	SC					
4.5				100	Clayey Silty Sand 5YR 6/4	SC					
5.0				100	Silty Sand 5YR 7/2	SM					
5.5				100	Silty Sand 5YR 7/2	SM					
6.0				100							

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/31
 LOCATION ID: 0245 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: By 2" pipe w/ cap marked 11-B
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0.5					10YR 5/4 Clayey Silty Sand	SM					
1.0					10YR 5/4 Clayey Silty Sand	SM					
1.5					10YR 5/4 Clayey Silty Sand	SM					
2.0					10YR 5/4 Clayey Silty Sand	SM					
2.5					10YR 5/4 Clayey Silty Sand	SM					
3.0					10YR 5/4 Clayey Silty Sand	SM					
3.5					10YR 5/4 Clayey Silty Sand	SM					
4.0					10YR 5/4 Clayey Silty Sand	SM					
4.5					10YR 5/4 Clayey Silty Sand	SM					
5.0					10YR 5/4 Clayey Silty Sand	SM					
5.5					10YR 5/4 Clayey Silty Sand	SM					
6.0					10YR 5/4 Clayey Silty Sand	SM					

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/31
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTD 154 DATE: 9/2
 LOCATION ID: 0246 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Gravel Pit, a 50' east of Road
on west side of Pit. Southern Moss Location
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): _____

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.54R 6/4 Clayey Silty Sand	SM					
1.0					7.54R 6/4 Clayey Silty Sand	SM					
1.5					7.57R 5/4 Clayey Silty Sand	SM					
2.0					7.57R 5/4 Clayey Silty Sand	SM					
2.5					7.57R 7/4 Clayey Silty Sand	SM					
3.0					7.57R 7/4 Clayey Silty Sand	SM					
3.5					7.57R 7/4 Clayey Silty Sand	SM					
4.0					7.57R 7/4 Clayey Silty Sand	SM					
4.5					7.57R 7/4 Clayey Silty Sand	SM					
5.0					7.57R 7/4 Clayey Silty Sand	SM					
5.5					7.57R 7/4 Clayey Silty Sand	SM					
6.0					7.57R 7/4 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Mr 9/2
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/2/94
 LOCATION ID: 0247 BORE HOLE DEPTH (FT): 3
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Gravel Pit. West side of Rt approx 50' east of road. Furthest location west In washout area
 COMMENTS: See below
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
1.5				100	clayey Silty Sand SYR 6/4	SC					
1.0				100	clayey Silty Sand SYR 6/4	SC					
1.5		0001	A	100	clayey Silty Sand SYR 6/4	SC				rock fragments	
2.0				100	clayey Silty Sand SYR 6/4	SC				rock fragments	
2.5				100	clayey Silty Sand SYR 6/4	SC					
3.0				100	clayey Silty Sand SYR 6/4	SC					
					Hit obstruction at 3'						
					Drilled adjacent hole						
					hit obstruction at 3' again.						
					Sample from 1.5-2.0'						

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PKM 9/2/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KOTD154 DATE: 9/2/94
 LOCATION ID: 0248 BORE HOLE DEPTH (FT): 5.5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Gravel Pit. 75' east of road. Northern end
sample area outside of pit area
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand S4R 6/4	SC				Rocks, Organic	
1.0				100	Clayey Silty Sand S4R 6/4	SC				rocks	
1.5				100	Clayey Silty Sand S4R 6/4	SC					
2.0				100	Clayey Silty Sand S4R 6/4	SC					
2.5				100	Clayey Silty Sand S4R 6/4	SC				rocks	
3.0				100	Clayey Silty Sand S4R 6/4	SC					
3.5				100	Clayey Silty Sand S4R 6/4	SC					
4.0				100	Clayey Silty Sand S4R 6/4	SC					
4.5				100	Clayey Silty Sand S4R 6/4	SC					
5.0				100	Clayey Silty Sand S4R 6/4	SC					
5.5				100	Clayey Silty Sand S4R 6/4	SC					
					Hit obstruction at 5.5'						
					stop & sample						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Rock Miller 9/2/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KATLD154 DATE: 9/2/94
LOCATION ID: 0249 BORE HOLE DEPTH (FT): 6
BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
LOCATION DESCRIPTION: Gravel Pit. In Pit about 20' from edge.
~100' from east of road
COMMENTS: _____
FIELD REPRESENTATIVE(S): P. Kim

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
1.5				100	clayey silty sand SYR 6/4	SC				Styrofoam, rocks	
1.0				100	clayey silty sand SYR 6/4	SC				rock debris	
1.5				100	clayey silty sand SYR 6/4	SC					
2.0				100	clayey silty sand SYR 6/4	SC					
2.5				100	clayey silty sand SYR 6/4	SC					
3.0				100	clayey silty sand SYR 6/4	SC					
3.5				100	clayey silty sand SYR 6/4	SC					
4.0				100	clayey silty sand SYR 6/4	SC					
4.5				100	clayey silty sand SYR 6/4	SC					
5.0				100	clayey silty sand SYR 6/4	SC					
5.5				100	clayey silty sand SYR 6/4	SC					
6.0				100	clayey silty sand SYR 6/4	SC					

SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED
P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

P. Kim 9/2/94
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 9/2LOCATION ID: 0250 BORE HOLE DEPTH (FT): _____BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Gravel P.T., Approx 100' east of Road, Down in
Entrance to Gravel pit. eastern most Auger location.COMMENTS: Hit wooden obstruction at 2.5' collected sample
from 3 holes within 2' radius 1.5 - 2.5' deep

FIELD REPRESENTATIVE(S): _____

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					10YR 6/4 Clayey Silty Sand.	SM					
1.0					10YR 4/4 Clayey Silty Sand	SM					
1.5					10YR 4/4 Clayey Silty Sand	SM					
2.0					10YR 4/4 Clayey Silty Sand	SM					
2.5					10YR 4/4 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
MM 9/2

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KETLD 154 DATE: 9/1/94
 LOCATION ID: 0251 BORE HOLE DEPTH (FT): 5.5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Dip 5 Test West Side of Road Far
western depression approx 75' from road North side of depression
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Pkm

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand SYR 5/4	SC					
1.0				100	Clayey Silty Sand SYR 7/3	SC					
1.5				100	Clayey Silty Sand SYR 7/3	SC					
2.0				100	Clayey Silty Sand SYR 7/3	SC					
2.5				100	Clayey Silty Sand SYR 7/3	SC					
3.0				100	Clayey Silty Sand SYR 7/3	SC					
3.5				100	Clayey Silty Sand SYR 7/3	SC					
4.0				100	Clayey Silty Sand SYR 7/3	SC					
4.5				100	Clayey Silty Sand SYR 7/3	SC					
5.0				100	Clayey Silty Sand SYR 7/3	SC					
5.5				100	Clayey Silty Sand SYR 7/3	SC					
					HIT OBSTRUCTION AT 5.5'						
					STOP & SAMPLE						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRFLD 154 DATE: 9/1

LOCATION ID: 0252 BORE HOLE DEPTH (FT): _____

BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: D.P. 5 west, west side of Road, Far west Depression 275' from road south side

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
0.5				100%	10YR 5/4 clayey silty sand	sn					
1.0					10YR 5/4 clayey silty sand	sn					
1.5					10YR 4/4 clayey silty sand	sn					
2.0					10YR 4/4 clayey silty sand	sn					
2.5		0001	A		10YR 4/4 clayey silty sand	sn				some organic material	
3.0					10YR 4/4 clayey silty sand	sn					
3.5					10YR 4/4 clayey silty sand	sn					
4.0					10YR 4/4 clayey silty sand	sn					
4.5					10YR 5/4 clayey silty sand	sn					
5.0					10YR 7/3 clayey silty sand	sn					
5.5					10YR 7/3 clayey silty sand	sn					
6.0					10YR 7/3 clayey silty sand	sn					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL154DATE: 9/1LOCATION ID: 0153BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Dip 5 test west side of road a 50'
southern most hole in depression centered between depressions

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 5/4 clayey silty sand	sn					
1.0					7.5 YR 5/4 clayey silty sand	sn					
1.5					7.5 YR 5/4 clayey silty sand	sn					
2.0					7.5 YR 5/4 clayey silty sand	sn					
2.5					7.5 YR 5/4 clayey silty sand	sn					
3.0					7.5 YR 5/4 clayey silty sand	sn					
3.5					7.5 YR 5/4 clayey silty sand	sn					
4.0					7.5 YR 5/4 clayey silty sand	sn					
4.5					7.5 YR 7/3 clayey silty sand	sn					
5.0					7.5 YR 7/3 clayey silty sand	sn					
5.5					7.5 YR 7/3 clayey silty sand	sn					
6.0					7.5 YR 7/3 clayey silty sand	sn					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154DATE: 9/1/94LOCATION ID: 0254BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Dip 5 Area. Just west of road (15') in depression on south side

COMMENTS: _____

FIELD REPRESENTATIVE(S): P. Kern

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand 5YR 5/4	SC				organics	
1.0				100	Clayey Silty Sand 5YR 5/4	SC					
1.5				100	Clayey Silty Sand 5YR 5/4	SC					
2.0				100	Clayey Silty Sand 5YR 5/4	SC					
2.5				100	Clayey Silty Sand 5YR 5/4	SC					
3.0	1	0001	A	100	Clayey Silty Sand 5YR 7/3	SC				Cement?	
3.5				100	Clayey Silty Sand 5YR 7/3	SC				San cementation	
4.0				100	Clayey Silty Sand 5YR 7/3	SC				"	
4.5				100	Clayey Silty Sand 5YR 7/3	SC				"	
5.0				100	Clayey Silty Sand 5YR 7/3	SC				"	
5.5				100	Clayey Silty Sand 5YR 7/3	SC				"	
6.0	✓			100	Clayey Silty Sand 5YR 7/3	SC				"	

SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
P. Kern 9/1/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 9/1
 LOCATION ID: 0255 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: DIP 5 TEST, WEST of Road ~ 20' near center of Depression
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 5/4 clayey silty sand	sn					
1.0					7.5 YR 4/4 clayey silty sand	sn					
1.5					7.5 YR 4/4 clayey silty sand	sn					
2.0					7.5 YR 4/4 clayey silty sand	sn					
2.5		0001 A	A		7.5 YR 5/4 clayey silty sand	sn					
3.0					7.5 YR 5/4 clayey silty sand	sn					
3.5					7.5 YR 4/4 clayey silty sand	sn					
4.0					7.5 YR 6/4 clayey silty sand	sn					
4.5					7.5 YR 7/3 clayey silty sand	sn					
5.0					7.5 YR 7/3 clayey silty sand	sn					
5.5					7.5 YR 7/3 clayey silty sand	sn					
6.0					7.5 YR 7/3 clayey silty sand	sn					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 9/1
 FORM COMPLETED BY: (SIGNATURE/DATE)

 TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: ERTLD154 DATE: 9/1/94
 LOCATION ID: 0256 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: DIPS Area. Depression just west (15') from road.
North side of depression
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): pkw

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand 5YR 5/6	SC					
1.0				100	Clayey Silty Sand 5YR 5/6	SC					
1.5				100	Clayey Silty Sand 5YR 5/6	SC					
2.0				100	Clayey Silty Sand 5YR 5/6	SC					
2.5				100	Clayey Silty Sand 5YR 5/6	SC					
3.0		0001	A	100	Clayey Silty Sand 5YR 7/3	SC				Concentration	
3.5				100	Clayey Silty Sand 5YR 7/3	SC				4	
4.0				100	Clayey Silty Sand 5YR 7/3	SC				4	
4.5				100	Clayey Silty Sand 5YR 7/3	SC				4	
5.0				100	Clayey Silty Sand 5YR 7/3	SC				4	
5.5				100	Clayey Silty Sand 5YR 7/3	SC				4	
6.0				100	Clayey Silty Sand 5YR 7/3	SC				4	

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

pkw 9/1/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL D 154 DATE: 9/1
 LOCATION ID: 0257 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Dip 5 test. First depression east of Road
Southern End
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 1/4 Clayey Silty Sand	SC					
1.0					7.5 YR 5/4 Clayey Silty Sand	SC					
1.5					7.5 YR 5/4 Clayey Silty Sand	SC					
2.0					7.5 YR 5/4 Clayey Silty Sand	SC					
2.5					7.5 YR 5/4 Clayey Silty Sand	SC					
3.0					7.5 YR 5/4 Clayey Silty Sand	SC					
3.5					7.5 YR 5/4 Clayey Silty Sand	SC					
4.0					7.5 YR 6/4 Clayey Silty Sand	SC					
4.5					7.5 YR 6/4 Clayey Silty Sand	SC					
5.0					7.5 YR 8/4 Clayey Silty Sand	SC					
5.5					7.5 YR 8/4 Clayey Silty Sand	SC					
6.0					7.5 YR 8/4 Clayey Silty Sand	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: 1CRTLD154 DATE: 9/1/94
 LOCATION ID: 0258 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: DIP S AREA. Depression just east of road (10')
On north side of depression
 COMMENTS: 0001 1/5 Sample of layer with metallic residues
0002 is sample below metallic residues
 FIELD REPRESENTATIVE(S): plum

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				60	Clayey Silty Sand 54R 5/6	SC					
1.0				100	Clayey Silty Sand 54R 5/6	SC					
1.5				100	Clayey Silty Sand 54R 5/6	SC					
2.0				100	Clayey Silty Sand 54R 5/6	SC					
2.5	↑	0001	A	100	Clayey Silty Sand 54R 5/6	SC				metallic residues	
3.0	↓	0002	A	100	Clayey Silty Sand 54R 5/6	SC				metallic residues (less than abv.)	
3.5				100	Clayey Silty Sand 54R 5/6	SC				metallic residues gone	
4.0				100	Clayey Silty Sand 54R 5/6	SC					
4.5				100	Clayey Silty Sand 54R 5/6	SC					
5.0				100	Clayey Silty Sand 54R 5/6	SC					
5.5				100	Clayey Silty Sand 54R 5/6	SC					
6.0				100	Clayey Silty Sand 54R 5/6	SC					

• SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
Plum 9/1/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTCD 154DATE: 9/1LOCATION ID: 0959BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Dip 5, East of Road & 20 East of Trench closest to Road

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	10YR 5/4 Clayey Silty Sand	SM					
1.0					10YR 5/4 Clayey Silty Sand	SM					
1.5					10YR 5/4 Clayey Silty Sand	SM					
2.0					10YR 5/4 Clayey Silty Sand	SM					
2.5					10YR 5/4 Clayey Silty Sand	SM					
3.0					10YR 6/4 Clayey Silty Sand	SM					
3.5					10YR 6/4 Clayey Silty Sand	SM					
4.0					10YR 7/4 Clayey Silty Sand	SM					
4.5					10YR 7/4 Clayey Silty Sand	SM					
5.0					10YR 7/4 Clayey Silty Sand	SM					
5.5					10YR 7/4 Clayey Silty Sand	SM					
6.0					10YR 7/4 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION

T - TRENCHING

B - BOREHOLE

O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTCD154 DATE: 9/1/94
 LOCATION ID: 0260 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: DIP 5 Area. Flat area east of road. East of
nearest depression to road. Approx 75' east of road.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PEM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand 5YR 5/4	SC					
1.0				100	Clayey Silty Sand 5YR 5/4	SC					
1.5				100	Clayey Silty Sand 5YR 5/4	SC					
2.0				100	Clayey Silty Sand 5YR 5/4	SC					
2.5		0001	A	100	Clayey Silty Sand 5YR 5/4	SC					
3.2				100	Clayey Silty Sand 5YR 5/4	SC					
3.5				100	Silty Sand 5YR 8/1	SM					
4.2				100	Silty Sand 5YR 8/1	SM					
4.5				100	Silty Sand 5YR 8/1	SM					
5.2				100	Silty Sand 5YR 8/1	SM					
5.5				100	Silty Sand 5YR 8/1	SM					
6.0				100	Silty Sand 5YR 8/1	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL D 154 DATE: 9/1
 LOCATION ID: 0261 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: R
 LOCATION DESCRIPTION: DEP 5, EAST of Road 2 100' east 2nd
Depression. Southern end.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 5/4 Clayey Silty Sand	SN					
1.0					7.5 YR 5/4 Clayey Silty Sand	SN					
1.5					7.5 YR 5/4 Clayey Silty Sand	SN					
2.0					7.5 YR 5/4 Clayey Silty Sand	SN					
2.5					7.5 YR 5/4 Clayey Silty Sand	SN					
3.0					7.5 YR 5/4 Clayey Silty Sand	SN					
3.5					7.5 YR 5/4 Clayey Silty Sand	SN					
4.0					7.5 YR 6/4 Clayey Silty Sand	SN					
4.5					10 YR 8/3 Clayey Silty Sand	SN					
5.0					10 YR 8/3 Clayey Silty Sand	SN					
5.5					10 YR 8/3 Clayey Silty Sand	SN					
6.0					10 YR 8/3 Clayey Silty Sand	SN					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Johnson 9/1
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTCD154 DATE: 9/1/94

LOCATION ID: 0262 BORE HOLE DEPTH (FT): 6

BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: DIP 5 Area. 2nd depression from road. Approx
100' from road. North side of depression

COMMENTS: _____

FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand 54R 5/4	SC					
1.0				100	Clayey Silty Sand 54R 5/4	SC				Wood fragments	
1.5				100	Clayey Silty Sand 54R 5/4	SC				Wood fragments	
2.0				100	Clayey Silty Sand 54R 5/4	SC				small amount	
2.5				100	Clayey Silty Sand 54R 5/4	SC				of metallic particles	
3.0				100	Clayey Silty Sand 54R 5/4	SC				rock frags.	
3.5				100	Clayey Silty Sand 54R 5/4	SC				concrete/debris	
4.0				100	Clayey Silty Sand 54R 5/4	SC				"	
4.5				100	Clayey Silty Sand 54R 5/4	SC				"	
5.0				100	Clayey Silty Sand 54R 5/4	SC				concrete/debris	
5.5				100	Clayey Silty Sand 54R 5/4	SC				"	
6.0				100	Clayey Silty Sand 54R 5/4	SC				"	

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PKM 9/1/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 15' DATE: 9/1

LOCATION ID: 263 BORE HOLE DEPTH (FT): 60

BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: Dip 5, East of Road, 2 centered between 2nd + 3rd depressions

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					10YR 5/8 Clayey Silty Sand	sn					
1.0					10YR 5/8 Clayey Silty Sand	sn					
1.5					10YR 5/4 Clayey Silty Sand	sn					
2.0					10YR 5/4 Clayey Silty Sand	sn					
2.5					10YR 5/4 Clayey Silty Sand	sn					
3.0					10YR 5/4 Clayey Silty Sand	sn					
3.5					10YR 7/4 Clayey Silty Sand	sn					
4.0					10YR 7/4 Clayey Silty Sand	sn					
4.5					10YR 7/4 Clayey Silty Sand	sn					
5.0					10YR 7/4 Clayey Silty Sand	sn					
5.5					10YR 7/4 Clayey Silty Sand	sn					
6.0					10YR 7/4 Clayey Silty Sand	sn					

SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
MLK 9/1

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: LRTL0154DATE: 9/1/94LOCATION ID: 0264BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: 7COMMENTS: DIPS Area. Far eastern depression North side of depression ~ 200' from roadFIELD REPRESENTATIVE(S): PKU

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand $5YR 5/4$	SC					
1.0				100	Clayey Silty Sand $5YR 5/4$	SC				wood	
1.5				100	Clayey Silty Sand $5YR 5/4$	SC					
2.0				100	Clayey Silty Sand $5YR 5/4$	SC					
2.5				100	Clayey Silty Sand $5YR 5/4$	SC					
3.0				100	Clayey Silty Sand $5YR 5/4$	SC					
3.5		0001	A	100	Clayey Silty Sand $5YR 7/3$	SC				Cement	
4.0				100	Clayey Silty Sand $5YR 7/3$	SC				Cement	
4.5				100	Clayey Silty Sand $5YR 7/3$	SC				"	
5.0				100	Clayey Silty Sand $5YR 7/3$	SC				"	
5.5				100	Clayey Silty Sand $5YR 7/3$	SC				"	
6.0				100	Clayey Silty Sand $5YR 7/2$	SC				"	

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRT2D 154 DATE: 9/1/94
 LOCATION ID: 0264 0265 BORE HOLE DEPTH (FT): 4
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: DIP 5, EAST of Road, 3rd depression
Southern End.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PCM, JJ

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					Clayey Silty Sand, 5YR 5/4					Some Rock	
1.0					5YR 5/4 Clayey Silty Sand					fragments	
1.5					5YR 5/4 Clayey Silty Sand					"	
2.0					5YR 5/4 Clayey Silty Sand					"	
2.5					5YR 5/4 Clayey Silty Sand						
3.0					5YR 5/4 Clayey Silty Sand						
3.5					5YR 5/4 Clayey Silty Sand					Very Slight	
4.0					5YR 5/4 Clayey Silty Sand					cementation	
4.5					5YR 5/4 Clayey Silty Sand						
5.0					5YR 5/4 Clayey Silty Sand					Rock	
5.5					5YR 5/4 Clayey Silty Sand					fragment	
6.0					5YR 5/4 Clayey Silty Sand						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PCM, JJ 9/1/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 1541 DATE: 9/2
 LOCATION ID: 0267 0266 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Generator Site, 2 10' east of loop road.
Re Sample Plan
 COMMENTS: Re - Sample
 FIELD REPRESENTATIVE(S): _____

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 6/4 Clayey Silty Sand	SA				Constant	
1.0					7.5 YR 6/4 Clayey Silty Sand	SA					
1.5					7.5 YR 7/3 Clayey Silty Sand	SA					
2.0					7.5 YR 7/3 Clayey Silty Sand	SA					
2.5					7.5 YR 7/3 Clayey Silty Sand	SA					
3.0					7.5 YR 7/3 Clayey Silty Sand	SA					
3.5					7.5 YR 7/3 Clayey Silty Sand	SA					
4.0					7.5 YR 7/3 Clayey Silty Sand	SA					
4.5					7.5 YR 7/3 Clayey Silty Sand	SA					
5.0					7.5 YR 7/3 Clayey Silty Sand	SA					
5.5					7.5 YR 7/3 Clayey Silty Sand	SA					
6.0					7.5 YR 7/3 Clayey Silty Sand	SA					

•• SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

9/2
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: LRTLD 154 DATE: 9/2/94
 LOCATION ID: 0267 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Generator Site. Between large concrete blocks
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Picory

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
.5				100	Clayey Silty Sand SYR 5/6	SC					
1.0				100	Clayey Silty Sand SYR 5/6	SC					
1.5				100	Clayey Silty Sand SYR 5/6	SC					
2.0				100	Clayey Silty Sand SYR 5/6	SC					
2.5				100	Clayey Silty Sand SYR 5/6	SC					
3.0				100	Clayey Silty Sand SYR 5/6	SC					
3.2		0201	A	100	Clayey Silty Sand SYR 5/6	SC					
3.5				100	Clayey Silty Sand SYR 5/6	SC					
4.0				100	Clayey Silty Sand SYR 5/6	SC					
4.5				100	Clayey Silty Sand SYR 5/6	SC					
5.0				100	Clayey Silty Sand SYR 5/6	SC					
5.5				100	Clayey Silty Sand SYR 5/6	SC					
6.0				100	Clayey Silty Sand SYR 5/6	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Frank Miller 9/2/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KETLD154 DATE: 9/2/94
 LOCATION ID: 0268 BORE HOLE DEPTH (FT): 5.5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Generator Site on high area. Farthest from
steel retaining wall.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand SYR S/4	SC				Rock abundant	
1.0				100	Clayey Silty Sand SYR S/4	SC					
1.5				100	Clayey Silty Sand SYR S/4	SC					
2.0				100	Clayey Silty Sand SYR S/4	SC					
2.5		0001	A	100	Silty Sand (medium) SYR S/4	SM					
3.0				100	Silty Sand SYR S/4	SM					
3.5					Hit obstruction at 3.5'						
					none over, re-auger						
					obstruction at 3.5'						
					Sample from 2-3.5'						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PKM 9/2/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KPTCD 154 DATE: 9/2/94
 LOCATION ID: 0269 BORE HOLE DEPTH (FT): 5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Generator Site Next to steel retaining wall.
On north side of wall.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): P. Min

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
.5				100	Clayey Silty Sand 54R 5/4	SC					
1.0				100	Clayey Silty Sand 54R 5/4	SC					
1.5				100	Clayey Silty Sand 54R 5/4	SC					
2.0				100	Clayey Silty Sand 54R 5/4	SC					
2.5				100	Clayey Silty Sand 54R 5/4	SC					
3.0				100	Clayey Silty Sand 54R 5/4	SC					
3.5				100	Clayey Silty Sand 54R 5/4	SC					
4.0				100	Clayey Silty Sand 54R 5/4	SC					
4.5				100	Clayey Silty Sand 54R 5/4	SC					
5.0				100	Clayey Silty Sand 54R 5/4	SC					
					Obstruction at 5'						
					Stop & Sample						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 15²¹ DATE: 9/2
 LOCATION ID: 0270 BORE HOLE DEPTH (FT): 3.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Generator Site, Near Southend of Metal Wall.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 6/4 Clayey Silty Sand	SN					
1.0					7.5 YR 6/4 Clayey Silty Sand	SN					
1.5		0001	A		7.5 YR 6/4 Clayey Silty Sand	SN					
2.0					7.5 YR 6/4 Clayey Silty Sand	SN					
2.5					7.5 YR 6/4 Clayey Silty Sand	SN					
3.0					7.5 YR 7/3 Clayey Silty Sand	SN					
					Hit OBSTRUCTION						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

JK 9/2
 FORM COMPLETED BY: (SIGNATURE/DATE)

 TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLID 154 DATE: 8/30
 LOCATION ID: 0271 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: North East Corner of Fuselage
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 4/6 clayey silty sand	SM				slightly moist ↓	
1.0					7.5YR 4/6 clayey silty sand	SM					
1.5					7.5YR 4/6 clayey silty sand	SM					
2.0					7.5YR 4/6 clayey silty sand	SM					
2.5					7.5YR 6/4 clayey silty sand	SM					
3.0					7.5YR 6/4 clayey silty sand	SM					
3.5					7.5YR 8/4 clayey silty sand	SM					
4.0					7.5YR 8/4 clayey silty sand	SM					
4.5					7.5YR 8/4 clayey silty sand	SM					
5.0					7.5YR 8/4 clayey silty sand	SM					
5.5					7.5YR 8/4 clayey silty sand	SM					
6.0					7.5YR 8/4 clayey silty sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Johnson 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

C-109

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30/94

LOCATION ID: 0272 BORE HOLE DEPTH (FT): 6

BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A

LOCATION DESCRIPTION: Forcage site. On South end of forcage.

COMMENTS: _____

FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand	5YR 5/6	SC			Some root debris	
1.0				100	clayey silty sand	5YR 5/6	SC				
1.5				100	Clayey Silty Sand	5YR 5/6	SC				
2.0				100	Clayey Silty Sand	5YR 5/6	SC				
2.2		2001	A	100	Clayey Silty Sand	5YR 5/6	SC				
2.5				100	Clayey Silty Sand	5YR 5/6	SC				
3.0				100	Clayey Silty Sand	5YR 5/6	SC				
3.2				100	Clayey Silty Sand	5YR 5/6	SC				
3.5				100	Clayey Silty Sand	5YR 6/4	SM			Some cementation	
4.0				100	Clayey Silty Sand	5YR 6/4	SM			Some cementation	
4.5				100	Clayey Silty Sand	5YR 6/4	SM			Some cementation	
5.0				100	Clayey Silty Sand	5YR 6/4	SM			Cementation	
5.5				100	Clayey Silty Sand	5YR 6/4	SM			Cementation	
6.0				100	Clayey Silty Sand	5YR 6/4	SM			Cementation	

•• SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

- CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B- BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE)(DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/30
 LOCATION ID: 0273 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 2 100' north of fuselage. south eastern hole.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 5/4 Clayey Silty Sand	SN					
1.0					7.5 YR 5/4 Clayey Silty Sand	SN					
1.5					7.5 YR 5/4 Clayey Silty Sand	SN					
2.0					7.5 YR 5/4 Clayey Silty Sand	SN					
2.5					7.5 YR 5/4 Clayey Silty Sand	SN					
3.0					7.5 YR 5/4 Clayey Silty Sand	SN					
3.5					7.5 YR 5/4 Clayey Silty Sand	SN					
4.0					7.5 YR 8/4 Clayey Silty Sand	SN					
4.5					7.5 YR 8/4 Clayey Silty Sand	SN					
5.0					7.5 YR 8/4 Clayey Silty Sand	SN					
5.5					7.5 YR 8/4 Clayey Silty Sand	SN					
6.0					7.5 YR 8/4 Clayey Silty Sand	SN					

•• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
MMK 8/30/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTCD154 DATE: 8/30/94
 LOCATION ID: 0274 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Approx 100' north of fuselage. For ^{West} ADW sample
location of the 3 in the debris area
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	clayey silty sand 5YR 5/6	SC					
1.2				100	clayey silty sand 5YR 5/6	SC					
1.5				100	clayey silty sand 5YR 5/6	SC					
2.0				100	clayey silty sand 5YR 5/6	SC					
2.5		0001	A	100	clayey silty sand 5YR 5/6	SC					
3.0				100	clayey silty sand 5YR 5/6	SC					
3.5				100	clayey silty sand 5YR 6/4	SC				Same concentration	
4.0				100	silty sand 5YR 6/4	SM				"	
4.5				100	silty sand 5YR 6/4	SM				"	
5.0				100	silty sand 5YR 6/4	SM				concentration	
5.5				100	silty sand 5YR 6/4	SM				concentration	
6.0				100	silty sand 5YR 6/4	SM				concentration	

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION

T - TRENCHING

B - BOREHOLE

O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/30
 LOCATION ID: 0275 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 2100' North of fuselg, northern most in group
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): _____

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 4/6 Clayey Silty sand	SN					
1.0					7.5YR 4/6 Clayey Silty Sand	SN					
1.5					7.5YR 4/6 Clayey Silty Sand	SN					
2.0					7.5YR 4/6 Clayey Silty Sand	SN					
2.5					7.5YR 4/6 Clayey Silty Sand	SN					
3.0					7.5YR 4/6 Clayey Silty Sand	SN					
3.5					7.5YR 4/6 Clayey Silty Sand	SN					
4.0					7.5YR 6/4 Clayey Silty Sand	SN					
4.5					7.5YR 8/4 Silty Sand	SN					
5.0					7.5YR 8/4 Silty Sand	SN					
5.5					7.5YR 8/4 Silty Sand	SN					
6.0					7.5YR 8/4 Silty Sand	SN					

** SAMPLE METHODS

A - AUGER CUTTINGS
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* CONSTRUCTION METHODS

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 A - AUGERED OR BORED
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P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM ✓ 8/30/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/24/94
 LOCATION ID: 0276 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: ART test area. Test bed pad NE easternmost pad.
Next to mound
 COMMENTS: Sample interval 2.5-6.0' Sample Time 0915
 FIELD REPRESENTATIVE(S): PM Dale Brooks

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD *	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Medium Sand SYR 5/4 Some Debris	SP				90% Sand 10% Sil	
1.0				100	Medium Sand SYR 5/4	SP				80% Sand 20% Sil	
1.5				100	Silty Sand ^{FG} SYR 4/4	SM				70% Sand 30% Sil	
2.0				100	Clayey Sand ^{FG} SYR 4/4	SC				70/10/20	
2.5				100	Silty Clayey Sand ^{FG} SYR 4/4	SM				70/20/10	
3.0				100	Silty Sand ^{FG} SYR 4/4 Possible caliche chunks	SM				70/70	
3.5				100	Silty Sand ^{FG} SYR 6/4	SM				60/40	
4.0				100	Silty Sand ^{FG} SYR 6/4	SM				60/40	
4.5				100	Silty Sand ^{FG} SYR 6/4	SM				60/40	
5.0				100	Silty Sand ^{FG} SYR 6/4 Some cementation	SM				60/40	
5.5				100	Silty Sand ^{FG} SYR 6/4 "	SM				60/40	
6.0				100	Silty Sand ^{FG} SYR 6/4 "	SM				60/40	

** SAMPLE METHODS

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* CONSTRUCTION METHODS

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 A - AUGERED OR BORED
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 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Rek. Miller 8/24/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154DATE: 8/24/94LOCATION ID: 0277BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: ART TEST Area test Bed PAD, SE most
Pad from center of craterCOMMENTS: Sample time 0915FIELD REPRESENTATIVE(S): Jeff Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0-6"				100	Light Brownish Sand, 6/2 10YR	SM					
6"-1.5'				100	gray	SM					
1.5'-2.5'				100	Dark Yellowish Brown 10YR 4/4	SM					
2.5'-3.0'			Transition	100	Brown silty sand 7.5YR 5/4	SM					
3.0'-3.5'		0001	A	110	Very fine sand of silt	SM					
3.5'-4.0'				100	"						
4.0'-4.5'				100	"						
4.5'-5.0'				100	" w/some small gravel						
5.0'-5.5'				100	"						
5.5'-6.0'				100	"						

•• SAMPLE METHODS

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• CONSTRUCTION METHODS

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 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
MM 8/84

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/24/94
 LOCATION ID: 0278 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: PT
 LOCATION DESCRIPTION: APT Test area. Pad furthest to the NW. Test west of 276
 COMMENTS: Sample at 1145
 FIELD REPRESENTATIVE(S): P Middlebrooke

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USES	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
1.0				100	Test debris (plaster), w/ medium sand	SP					
				100	2.5 YR 5/2 clayey sand 5 YR 4/4, some debris	SC					
				100	clayey silty sand 5 YR 4/4	SM					
				100	clayey silty sand 5 YR 4/4	SM					
				100	silty sand 5 YR 4/4	SM					
				100	silty sand 7.5 YR 6/2	SM					
				100	silty sand 7.5 YR 6/2	SM					
				100	silty sand 7.5 YR 4/2	SM					
				100	silty sand 7.5 YR 6/2 w/ some	SM					
				100	lumps cement??	SM					
				100	silty sand 7.5 YR 6/2	SM					
				100	silty sand 7.5 YR 6/2	SM					
				100	silty sand 7.5 YR 4/2	SM					

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 B - BOREHOLE
 O - OTHER

P. Middlebrooke 8/24/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL 154DATE: 8/24/94LOCATION ID: 0279BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: South West PADCOMMENTS: Augered in center of Debris on PAD.FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0-0.5					7.5YR 6/4 light Brown fine Sand	SP					
1.0					7.5YR 5/4 light Brown fine Sand	SP					
1.5					7.5YR 4/4 Brown to Dark Brown Sandy clay w/ sand.	CL					
2.0					7.5YR 4/4 Brown to Dark Brown Sandy clay	CL					
2.5					7.5YR 5/4 Brown sand w/ fines	SM					
3.0		0001	A	100	10YR 5/6 Yellowish Brown sand/silt	SM					
3.5					10YR 5/6 Yellowish Brown sand	SM					
4.0					10YR 5/6 Yellowish Brown sand	SM					
4.5					5YR 6/2 w/ coarse gravel Pinkish white sand/silt	ML					
6.0					5YR 8/2 sandy soil	ML					
6.5					5YR 8/2 silty sand	ML					
6.0					5YR 8/2 silty sand	ML					

** SAMPLE METHODS

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J - JETTED
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O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL D 154 DATE: 8/24/94
 LOCATION ID: 0280 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: 1
 LOCATION DESCRIPTION: Debris pile 50' west of location 0278
 COMMENTS: 1235 Start boring 1255 Sample
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Medium Sand 5 YR 5/4 w/Debris	SP					
1.0				100	Fine Sand 5 YR 5/4 w/Debris	SP					
1.5				100	Fine Sand 5 YR 5/4 w/Debris	SP					
2.0				100	Silty Sand 2.5 YR 4/4	SM					
2.5		0001	A	100	Silty Sand 2.5 YR 4/4	SM					
3.0				100	Silty Sand 7.5 YR 4/2	SM					
3.5				100	Silty Sand 7.5 YR 6/2	SM					
4.0				100	Silty Sand 7.5 YR 6/2 w/ cement	SM					
4.5				100	Silty Sand 7.5 YR 6/2	SM					
5.0				100	Silty Sand 7.5 YR 6/2	SM					
5.5				100	Silty Sand 7.5 YR 6/2	SM					
6.0				100	Silty Sand 7.5 YR 6/2	SM					

** SAMPLE METHODS

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 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PKM 8/24/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/14/94
 LOCATION ID: 0281 BORE HOLE DEPTH (FT): 12
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Large dirt mound North of westernmost PAD
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Teff Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					10 YR 5/6 Sand	SM					
1.0					10 YR 5/6 Sand	SM					
1.5					7.5 YR 7/2 Silty Sand w/ white pieces of rust debris	SM					
2.0					7.5 YR 7/2 Silty Sand w/whr deb	SM					
2.5					7.5 YR 7/2 Silty Sand w/whr deb	SM					
3.0		0001	A	100%	7.5 YR 7/2 Silty Sand w/whr deb	SM					
3.5					7.5 YR 7/2 Silty Sand w/whr deb	SM					
4.0					7.5 YR 7/2 Silty Sand w/whr deb	SM					
4.5					7.5 YR 7/2 Silty Sand w/whr deb	SM					
5.0					7.5 YR 7/2 Silty Sand w/whr deb	SM					
5.5					7.5 YR 7/2 Silty Sand w/whr deb	SM					
6.0					7.5 YR 7/2 Silty Sand w/whr deb	SM					

•• SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

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 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION

T - TRENCHING

B - BOREHOLE

O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/24/94
 LOCATION ID: 0282 BORE HOLE DEPTH (FT): 4
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 25' North of 0278 (Northwesternmost Pad)
 COMMENTS: Sample at 1405' went into cemented layer at 2'. Bored to 4' in layer. Bored adjacent hole to 2' to collect sufficient sample.
 FIELD REPRESENTATIVE(S): PEM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5		0001	A	100	Silty Sand ^f 54R 4/4	SM					
1.0				100	Silty Sand ^f 7.5 YR 5/6	SM					
1.5				100	Silty Sand ^f 7.5 YR 6/4 w/cement	SM					
2.0				100	Silty Sand ^f 54R 7/2 mostly cement	SM					
2.5				100	Silty Sand ^f 54R 7/2 mostly cement	SM					
3.0				100	Silt 54R 7/2 mostly cement	ML					
3.5				100	Silt 54R 7/2 mostly cement	ML					
4.0				100	Silt 54R 7/2 mostly cement	ML					
4.5					Stopped, well into a cement layer Collect sample from 0-2.0'						
5.0											
5.5											
6.0											

** SAMPLE METHODS

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 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

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 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PEM 8/24/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTUD 154 DATE: 8/24
 LOCATION ID: 0283 BORE HOLE DEPTH (FT): 5.5'
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Small Dirt Mound North East of South east Pad.
 COMMENTS: Hit obstruction at 5.5'
 FIELD REPRESENTATIVE(S): Jeff Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
0.5					7.5 YR 5/4 Silty Sand	SM					
1.0					7.5 YR 5/4 Silty Sand	SM					
1.5					5 YR 3/4 Silty Sand	SM					
2.0					5 YR 3/4 Silty Sand	SM					
2.5					7.5 YR 5/4 Silty Sand	SM					
3.0					7.5 YR 6/4 Silty Sand OF Sand	ML					
3.5					7.5 YR 6/4 UFSand	ML					
4.0					7.5 YR 6/4 Very Fine Sand	ML					
4.5					7.5 YR 6/4 Very Fine Sand	ML					
5.0					7.5 YR 7/2 Very Fine Sand	ML					
5.5					Hit obstruction not						
6.0					Able to Auger deeper						

** SAMPLE METHODS

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 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Jeff Johnson 8/24
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KETLD 154 DATE: 8/25/94
 LOCATION ID: 0244 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 15' North of SEasternmost Pad
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): P/KM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand SYR 4/4	SC					
1.2				100	Clayey Silty Sand SYR 4/4	SC					
1.5				100	Clayey Silty Sand SYR 4/4	SC					
2.0				100	Clayey Silty Sand SYR 4/4	SC					
2.5		0001	A	100	Silty Sand SYR 4/4	SM					
3.0				100	Silty Sand 7.5 YR 7/2 w/cement	SM					
3.5				100	Silty Sand 7.5 YR 7/2 w/cement	SM					
4.0				100	Silty Sand 7.5 YR 7/2 w/cement	SM					
4.5				100	Silty Sand 7.5 YR 7/2 w/cement	SM					
5.0				100	Silty Sand 7.5 YR 7/2 w/cement	SM					
5.5				100	Silty Sand 7.5 YR 7/2	SM					
6.0				100	Silty Sand 7.5 YR 7/2	SM					

** SAMPLE METHODS

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 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

P/KM 8/25/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/25
 LOCATION ID: 0285 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: 33' EAST of North EAST corner of South East Pad.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					7.5 YR 5/4 Silty sand	SM					
1.0					7.5 YR 5/4 Silty sand	SM					
1.5					7.5 YR 5/4 Silty sand	SM					
2.0					7.5 YR 5/4 Silty sand	SM					
2.5					7.5 YR 5/4 Silty sand	SM					
3.0					7.5 YR 6/4 Silty sand	SM					
3.5					7.5 YR 7/4 Silty sand	ML					
4.0					7.5 YR 8/2 Silty sand	ML					
4.5					7.5 YR 8/2 Silty sand	ML					
5.0					7.5 YR 8/2 Silty sand	ML					
5.5					7.5 YR 8/2 Silty sand	ML					
6.0					7.5 YR 8/2 Silty sand	ML					

** SAMPLE METHODS

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 O - OTHER

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 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION

T - TRENCHING

B - BOREHOLE

O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31/94
 LOCATION ID: 0286 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: H. Pi Test Bed A. Easternmost crater. In center of crater. On west side of crater.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
5				100	Clayey Silty Sand 5YR 4/4	SC					
1.2				100	Clayey Silty Sand 5YR 4/4	SC					
1.5				100	Clayey Silty Sand 5YR 4/4	SC					
2.0				100	Clayey Silty Sand 5YR 4/4	SC					
2.5		000A	A	100	Clayey Silty Sand 5YR 4/4	SC					
2.5				100	Clayey Silty Sand 5YR 4/4	SC					
3.0				100	Clayey Silty Sand 5YR 4/4	SC					
3.5				100	Clayey Silty Sand 5YR 4/4	SC					
4.0				100	Clayey Silty Sand 5YR 4/4	SC					
4.5				100	Clayey Silty Sand 5YR 4/4	SC					
5.0				100	Clayey Silty Sand 5YR 4/4	SC					
5.5				100	Clayey Silty Sand 5YR 4/4	SC					
6.0				100	Clayey Silty Sand 5YR 4/4	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL 154 DATE: 8/31
 LOCATION ID: 0287 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: R
 LOCATION DESCRIPTION: North East Corner of Eastern most
Crater in Hi Fi test Bed
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5YR 4/4 Clayey Silty Sand	SN					
1.0					7.5YR 4/4 Clayey Silty Sand	SN					
1.5					7.5YR 4/4 Clayey Silty Sand	SN					
2.0					7.5YR 4/4 Clayey Silty Sand	SN					
2.5					7.5YR 6/4 Clayey Silty Sand	SN					
3.0					7.5YR 6/4 Clayey Silty Sand	SN					
3.5					7.5YR 6/4 Clayey Silty Sand	SN					
4.0					7.5YR 6/4 Clayey Silty Sand	SN					
4.5					7.5YR 6/4 Clayey Silty Sand	SN					
5.0					7.5YR 6/4 Clayey Silty Sand	SN					
5.5					7.5YR 6/4 Clayey Silty Sand	SN					
6.0					7.5YR 6/4 Clayey Silty Sand	SN					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/31
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/31
 LOCATION ID: 0288 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Southwest Lip of Eastern most Crater
Hi Fi Test Bed
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 7/4 Clayey Silty Sand	SM					
1.0					7.5 YR 7/4 Clayey Silty Sand	SM					
1.5					7.5 YR 7/4 Clayey Silty Sand	SM					
2.0					7.5 YR 7/4 Clayey Silty Sand	SM					
2.5					7.5 YR 7/3 Clayey Silty Sand	SM					
3.0		0001	A		7.5 YR 7/3 Clayey Silty Sand	SC					
3.5					7.5 YR 7/3 Clayey Silty Sand	SC					
4.0					7.5 YR 7/3 Clayey Silty Sand	SC					
4.5					7.5 YR 7/3 Clayey Silty Sand	SC					
5.0					7.5 YR 7/3 Clayey Silty Sand	SC					
5.5					7.5 YR 7/3 Clayey Silty Sand	SC					
6.0					7.5 YR 7/3 Clayey Silty Sand	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Johnson 8/31
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

C-126

SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/31/94
 LOCATION ID: 0289 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: H. F. Test Bed A. Center Crater on east side of crater rim
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
.5				100	Clayey Silty Sand 5YR 4/4	SC					
1.0				100	Clayey Silty Sand 5YR 4/4	SC					
1.5				100	Clayey Silty Sand 5YR 4/4	SC					
2.0				100	Clayey Silty Sand 5YR 4/4	SC					
2.5				100	Clayey Silty Sand 5YR 6/3	SC				Cement	
3.0				100	Clayey Silty Sand 5YR 6/3	SC				Cement	
3.5				100	Clayey Silty Sand 5YR 6/3	SC				Cement	
4.0				100	Clayey Silty Sand 5YR 6/3	SC				Cement	
4.5				100	Clayey Silty Sand 5YR 6/3	SC				Cement	
5.0				100	Clayey Silty Sand 5YR 6/3	SC					
5.5				100	Clayey Silty Sand 5YR 6/3	SC					
6.0				100	Clayey Silty Sand 5YR 6/3	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/31
 LOCATION ID: 0290 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 3 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Western Edge of Center Crane -
Hi-Fi-105 Bed.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): _____

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					10YR 5/4 Clayey Silty Sand	SA					
1.0					10YR 5/4 Clayey Silty Sand	SA					
1.5					10YR 7/3 Clayey Silty Sand	SA					
2.0					10YR 7/3 Clayey Silty Sand	SA					
2.5					10YR 7/3 Clayey Silty Sand	SA					
3.0					10YR 7/3 Clayey Silty Sand	SA					
3.5					10YR 7/3 Clayey Silty Sand	SA					
4.0					10YR 7/3 Clayey Silty Sand	SA					
4.5					10YR 7/3 Clayey Silty Sand	SA					
5.0					10YR 7/3 Clayey Silty Sand	SA					
5.5					10YR 7/3 Clayey Silty Sand	SA					
6.0					10YR 7/3 Clayey Silty Sand	SA					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/31
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31/94
 LOCATION ID: 0291 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Hi Fi Test Bed A. Center Center. On South Side of crater rim
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Jim

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	clayey silty sand	SYR 4/4	SC				
1.2				100	clayey silty sand	SYR 4/4	SC			wood, rock debris	
1.5				100	clayey silty sand	SYR 4/4	SC			rocks	
2.2				100	clayey silty sand	SYR 4/4	SC			rocks	
2.5		0401	A	100	clayey silty sand	SYR 4/4	SC			rocks, cementation	
3.0				100	clayey silty sand	SYR 6/7	SC			some cementation	
3.5				100	clayey silty sand	SYR 6/3	SC			some cementation	
4.0				100	clayey silty sand	SYR 6/3	SC			some cement	
4.5				100	clayey silty sand	SYR 6/3	SC			"	
5.0				100	clayey silty sand	SYR 6/3	SC			"	
5.5				100	clayey silty sand	SYR 6/7	SC			"	
6.0				100	clayey silty sand	SYR 6/3	SC			"	

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Jim 8/31/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31
 LOCATION ID: 0292 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: western edge of western most crater
Witi near Bar
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					10YR 7/4 clayey silty sand	sn					
1.0					10YR 7/4 clayey silty sand	sn					
1.5					10YR 5/4 clayey silty sand	sn					
2.0					10YR 5/4 clayey silty sand	sn					
2.5					10YR 6/4 clayey silty sand	sn					
3.0					10YR 6/4 clayey silty sand	sn					
3.5					10YR 7/4 clayey silty sand	sn					
4.0					10YR 7/4 clayey silty sand	sn					
4.5					10YR 7/4 clayey silty sand	sn					
5.0					10YR 7/4 clayey silty sand	sn					
5.5					10YR 7/4 clayey silty sand	sn					
6.0					10YR 7/4 clayey silty sand	sn					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/31
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/31/94
 LOCATION ID: 0293 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Hi Fi Test Bed A - Furthest west crater.
On East rim of crater.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): JKR

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
.5				100	Clayey Silty Sand 5 YR 4/4	SC				Cement debris	
1.0				100	Clayey Silty Sand 5 YR 4/4	SC				Cement debris	
1.5				100	Clayey Silty Sand 5 YR 4/4	SC				Cement debris	
2.0				100	Clayey Silty Sand 5 YR 4/4	SC				Cement debris	
2.5				100	Clayey Silty Sand 5 YR 6/3	SC				Rock debris	
3.0				100	Clayey Silty Sand 5 YR 6/3	SC				Rock debris	
3.5				100	Clayey Silty Sand 5 YR 6/3	SC				Rock debris	
4.0				100	Clayey Silty Sand 5 YR 6/3	SC				Rock	
4.5				100	Clayey Silty Sand 5 YR 6/3	SC					
5.0				100	Clayey Silty Sand 5 YR 6/3	SC					
5.5				100	Clayey Silty Sand 5 YR 6/3	SC					
6.0				100	Clayey Silty Sand 5 YR 6/3	SC					

• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
JKR 8/31/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL154 DATE: 8/31
 LOCATION ID: 0294 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: 1
 LOCATION DESCRIPTION: northern edge of western mass crater
iti Fi rest Beck
 COMMENTS: \$
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	10YR 5/4 Clayey Silty Sand	SM					
1.0					10YR 5/4 Clayey Silty Sand	SM					
1.5					10YR 5/4 Clayey Silty Sand	SM					
2.0					10YR 5/4 Clayey Silty Sand	SM					
2.5					10YR 7/4 Clayey Silty Sand	SM					
3.0					10YR 7/4 Clayey Silty Sand	SM					
3.5					10YR 7/4 Clayey Silty Sand	SM					
4.0					10YR 7/4 Clayey Silty Sand	SM					
4.5					10YR 7/4 Clayey Silty Sand	SM					
5.0					10YR 7/4 Clayey Silty Sand	SM					
5.5					10YR 7/4 Clayey Silty Sand	SM					
6.0					10YR 7/4 Clayey Silty Sand	SM					

•• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

MM 8/31/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KCTL034 DATE: 8/31/94
 LOCATION ID: 0295 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Crater/Debris Pile north of westernmost test bed.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Pear

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand SYR 4/4	SC					
1.2				100	Clayey Silty Sand SYR 4/4	SC					
1.5				100	Clayey Silty Sand SYR 4/4	SC				Rock Debris	
2.0				100	Clayey Silty Sand SYR 4/4	SC				Rock Debris	
2.5		0001	A	100	Clayey Silty Sand SYR 4/4	SC				cementation	
2.5				100	Clayey Silty Sand SYR 6/3	SC				cementation	
3.0				100	Clayey Silty Sand SYR 6/3	SC				cementation	
3.5				100	Clayey Silty Sand SYR 6/3	SC				"	
4.0				100	Clayey Silty Sand SYR 6/3	SC				"	
4.5				100	Clayey Silty Sand SYR 6/3	SC				"	
5.0				100	Clayey Silty Sand SYR 6/3	SC				"	
5.5				100	Clayey Silty Sand SYR 6/3	SC				"	
6.0				100	Clayey Silty Sand SYR 6/3	SC				"	

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL 154DATE: 9/2LOCATION ID: 0296BORE HOLE DEPTH (FT): 5.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: DCT - HEST, near 1st small dirt Pile west of Road.

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.57R 3/4 Silty Sand	SC					
1.0					7.57R 5/4 Silty Sand	SC					
1.5					7.57R 7/4 Silty Sand	SC					
2.0					7.57R 4/4 Silty Sand	SC					
2.5			A		7.57R 4/4 Silty Sand	SC					
2.5					7.57R 4/4 Silty Sand	SC					
3.0					7.57R 6/4 Clayey Silty Sand	SC					
3.5					7.57R 6/4 Clayey Silty Sand	SC					
4.0					7.57R 6/4 Clayey Silty Sand	SC					
4.5					7.57R 6/4 Clayey Silty Sand	SC					
5.0					7.57R 6/4 Clayey Silty Sand	SC					
					OBSTRUCTION						

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION

T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 9/2/94
 LOCATION ID: 0297 BORE HOLE DEPTH (FT): 3.5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: DCT Hest. Approx 200' west of road. Next to dirt mound.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Penn.

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand 54R 5/6	SC				abundant reds	
1.0				100	Clayey Silty Sand 54R 5/6	SC					
1.5				100	Clayey Silty Sand 54R 5/6	SC					
2.0				100	Clayey Silty Sand 54R 5/6	SC					
2.5				100	Clayey Silty Sand 54R 5/6	SC					
3.0				100	Silty Sand 54R 7/8	SM				Cement Rock debris	
3.5					Obstruction at 3.5'						
					Re-augered hole. Hit obstruction again						
					Sample from 2-3.5'						

•• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRT-D154 DATE: 9/2
 LOCATION ID: 0298 BORE HOLE DEPTH (FT): 3.5
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: DCT HST, South West of 2nd dirr pile
from Road. South South east of Decoy Bunker
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.54R 5/6 Clayey Silty sand	SM					
1.0					7.54R 5/6 Clayey Silty sand	SM					
1.5					7.54R 5/6 Clayey Silty sand	SM					
2.0					7.54R 5/6 Clayey Silty sand	SM					
2.5					7.54R 5/6 Clayey Silty sand	SM					
3.0					7.54R 5/6 Clayey Silty sand	SM					
3.5					7.54R 7/4 Clayey Silty sand	SM					
					Obstruction						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL D 154 DATE: 9/2
 LOCATION ID: 0299 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: DCT Host, continued south west of
2nd Pier Monte. south of Decon Bunker
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): _____

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 7/3 Clayey Silty Sand	SH					
1.0					7.5 YR 7/3 Clayey Silty Sand	SH					
1.5					7.5 YR 7/3 Clayey Silty Sand	SH					
2.0					7.5 YR 7/3 Clayey Silty Sand	SH					
2.5					7.5 YR 7/3 Clayey Silty Sand	SH					
3.0					7.5 YR 7/3 Clayey Silty Sand	SH					
3.5					7.5 YR 7/3 Clayey Silty Sand	SH					
4.0					7.5 YR 7/3 Clayey Silty Sand	SH					
4.5					7.5 YR 7/3 Clayey Silty Sand	SH					
5.0					7.5 YR 7/3 Clayey Silty Sand	SH					
5.5					7.5 YR 7/3 Clayey Silty Sand	SH					
6.0					7.5 YR 7/3 Clayey Silty Sand	SH					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: LRCLD154 DATE: 9/2/94
 LOCATION ID: 0300 BORE HOLE DEPTH (FT): 3
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: DCT + test Far west sample in open area.
Probably 700' from fence line 100' south of large dirt pile
 COMMENTS: See below
 FIELD REPRESENTATIVE(S): J Kim

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	clayey silty sand SYR 5/4	SC					
1.0				100	clayey silty sand SYR 5/4	SC					
1.5				100	clayey silty sand SYR 5/4	SC					
2.0		0301	A	100	silty sand SYR 7/3	SM					
2.5				100	silty sand SYR 7/3	SM					
3.0				100	silty sand SYR 7/3	SM					
					Hit obstruction in 3 holes at 3'						
					Stop & Sample						

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

P. K. Miller 9/2/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154 DATE: 8/29
 LOCATION ID: 0301 BORE HOLE DEPTH (FT): 6.0
 BORE HOLE DIAMETER (IN): 2" CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Southern end of large Crater, South east of geophysics Area 3
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): _____

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 5/8 Silty Sand	SN					
1.0					7.5 YR 5/8 clayey Silty Sand	SA					
1.5					7.5 YR 5/8 clayey Silty Sand	SA					
2.0					7.5 YR 5/8 clayey Silty Sand	SA					
2.5					7.5 YR 5/8 clayey Silty Sand	SA					
3.0					7.5 YR 5/8 clayey Silty Sand	SA					
3.5					7.5 YR 5/8 clayey Silty Sand	SA					
4.0					7.5 YR 5/8 clayey Silty Sand	SA					
4.5					7.5 YR 5/8 clayey Silty Sand	SA					
5.0					7.5 YR 5/8 clayey Silty Sand	SA					
5.5					5 YR 8/2 clayey Silty Sand	SA					
6.0					5 YR 8/2 clayey Silty Sand	SA					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/27/94
 LOCATION ID: 0302 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Large Crater approx 100' SW of Area 3. In crater
on northeast side approx 50' north of road.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100	Clayey Silty Sand SYR S/b	SC					
1.0				100	Clayey Silty Sand SYR S/b	SC				Some rock debris	
1.5				100	Clayey Silty Sand SYR S/b	SC				Some cement	
2.0				100	Clayey Silty Sand SYR S/b	SC				Cement/Rock debris	
2.5				100	Clayey Silty Sand SYR S/b	SC				Cement	
3.0				100	Clayey Silty Sand SYR S/b	SC				Cement	
3.5				100	Clayey Silty Sand SYR S/b	SC				Cement	
4.0				100	Clayey Silty Sand SYR S/b	SC				Cement	
4.5				100	Clayey Silty Sand SYR S/b	SC				Cement	
5.0				100	Clayey Silty Sand SYR S/b	SC					
5.5				100	Clayey Silty Sand SYR S/b	SC					
6.0				100	Clayey Silty Sand SYR S/b	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Paul V. Miller 8/29/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD 154DATE: 8/29LOCATION ID: 0303BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: Approx 75' south of Road, ~100' East end of large pipe. North tip of crater

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 5/6 Clayey Silty Sand	SM					
1.0					7.5 YR 5/6 Clayey Silty Sand	SM					
1.5					7.5 YR 5/6 Clayey Silty Sand	SM					
2.0					7.5 YR 5/6 Clayey Silty Sand	SM					
2.5					7.5 YR 5/6 Clayey Silty Sand	SM					
3.0					7.5 YR 5/6 Clayey Silty Sand	SM					
3.5					7.5 YR 5/6 Clayey Silty Sand	SM					
4.0					7.5 YR 5/6 Clayey Silty Sand	SM					
4.5					7.5 YR 5/6 Clayey Silty Sand	SM					
5.0					7.5 YR 5/6 Clayey Silty Sand	SM					
5.5					7.5 YR 5/6 Clayey Silty Sand	SM					
6.0					7.5 YR 5/6 Clayey Silty Sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)
MM 8/29/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/29/94
 LOCATION ID: 0304 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Approx 150' South of 0301 0302. In Crater approx
75' South of road. South edge of crater.
 COMMENTS: That goes along south edge of Area 3.
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand S4R S/L	SC				Organics	
1.2				100	Clayey Silty Sand S4R S/L	SC				Organics	
1.5				100	Clayey Silty Sand S4R S/L	SC					
2.0				100	Clayey Silty Sand S4R S/L	SC					
2.5				100	Clayey Silty Sand S4R S/L	SC					
2.0				100	Clayey Silty Sand S4R S/L	SC					
3.5				100	Clayey Silty Sand S4R S/L	SC					
4.2				100	Clayey Silty Sand S4R S/L	SC					
4.5				100	Clayey Silty Sand S4R S/L	SC					
5.0				100	Clayey Silty Sand S4R S/L	SC					
5.5				100	Clayey Silty Sand S4R S/L	SC					
6.0				100	Clayey Silty Sand S4R S/L	SC					

SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

Frank Mire 8/29/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: CRFLD 154DATE: 8/29LOCATION ID: 0305BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: North North West USGS Well 1001, near east of fuselage, south of large pipe. Inside southern lip of crater

COMMENTS: _____

FIELD REPRESENTATIVE(S): _____

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH / REMARKS	ELEVATION (FT)
0.5				100%	7.5 YR 5/4 Clayey Silty Sand	SL				Some organics	
1.0					7.5 YR 5/4 Clayey Silty Sand	SM					
1.5					7.5 YR 6/4 Clayey Silty Sand	SM					
2.0					7.5 YR 6/4 Clayey Silty Sand	SM					
2.5					7.5 YR 6/4 Clayey Silty Sand	SM					
3.0					7.5 YR 6/4 Clayey Silty Sand	SM					
3.5					7.5 YR 6/6 Clayey Silty Sand	SM					
4.0					7.5 YR 6/6 Clayey Silty Sand	SM					
4.5					7.5 YR 6/6 Clayey Silty Sand	SM					
5.0					7.5 YR 6/6 Clayey Silty Sand	SM					
5.5					5 YR 8/2 Clayey Silty Sand	SM				Some	
6.0					5 YR 8/8 Clayey Silty Sand	SM				Concentration	

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

8/29/94
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/29/94 ^{PKM}
 LOCATION ID: 0306 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: SSTM Add On North side of Crater approx
200' Northwest of Well 1001 South of Road to Area 3 ~ 100'
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand 5YR 5/6	SC				Some Organics	
1.0				100	Clayey Silty Sand 5YR 5/6	SC				Some Organics	
1.5				100	Clayey Silty Sand 5YR 5/6	SC				Organics, Cement	
2.0				100	Clayey Silty Sand 5YR 5/6	SC				Cement	
2.5		0001	A	100	Clayey Silty Sand 5YR 5/6	SC					
3.0				100	Clayey Silty Sand 5YR 5/6	SC					
3.5				100	Clayey Silty Sand 5YR 5/6	SC					
4.0				100	Clayey Silty Sand 5YR 5/6	SC					
4.5				100	Clayey Silty Sand 5YR 5/6	SC					
5.0				100	Clayey Silty Sand 5YR 5/6	SC				Rock debris Cement??	
5.5				100	Clayey Silty Sand 5YR 7/2	SC				Cement present	
6.0				100	Clayey Silty Sand 5YR 7/2	SC				Cement present	

• SAMPLE METHODS
 A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTLD154DATE: 8/29LOCATION ID: 0307BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: North of us6 well 1001, on east side of crater inside lip.

COMMENTS: _____

FIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	2.5 YR 6/4 clayey silty sand	SM					
1.0					7.5 YR 6/4 clayey silty sand	SM					
1.5					2.5 YR 6/4 clayey silty sand	SM					
2.0					2.5 YR 6/4 clayey silty sand	SM					
2.5					7.5 YR 6/4 clayey silty sand	SM					
3.0					7.5 YR 6/4 clayey silty sand	SM					
3.5					7.5 YR 6/4 clayey silty sand	SM					
4.0					2.5 YR 6/4 clayey silty sand	SM					
4.5					5 YR 8/2 clayey silty sand	SM					
5.0					5 YR 8/2 clayey silty sand	SM					
5.5					5 YR 8/2 clayey silty sand	SM					
6.0					5 YR 8/2 clayey silty sand	SM					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

MM 8/29/94
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 8/29/94
 LOCATION ID: 0308 BORE HOLE DEPTH (FT): 6
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: SSTM Add On. Approx 150' due north of well 1001
75' east of 0305, 0306. On west rim of crater
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PLM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
5				100	clayey silty sand SYR 5/6	SC				Same cement	
10				100	clayey silty sand SYR 5/6	SC					
15				100	clayey silty sand SYR 5/6	SC					
20				100	clayey silty sand SYR 5/6	SC					
25				100	clayey silty sand SYR 5/6	SC					
30				100	clayey silty sand SYR 5/6	SC					
35				100	clayey silty sand SYR 5/6	SC					
40				100	clayey silty sand SYR 5/6	SC					
45				100	clayey silty sand SYR 5/6	SC					
50				100	clayey silty sand SYR 7/2	SC				Same cementation	
55				100	clayey silty sand SYR 7/2	SC				Same cementation	
60				100	clayey silty sand SYR 7/2	SC					

•• SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

• CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

PLM 8/29/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

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SOIL BORING LOG

SITE ID: KRTLD 154DATE: 8/29LOCATION ID: 0309BORE HOLE DEPTH (FT): 6.0BORE HOLE DIAMETER (IN): 2"CONSTRUCTION METHOD: ALOCATION DESCRIPTION: North North East of USGS well 1001. Eastern
most crater. Inside SW lip of craterCOMMENTS: SSM ADD-ONFIELD REPRESENTATIVE(S): Johnson

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5				100%	5YR 5/4 Silty Clayey Sand	SN					
1.0					5YR 5/4 Silty Clayey Sand	SN					
1.5					5YR 5/4 Silty Clayey Sand	SN					
2.0					5YR 5/4 Silty Clayey Sand	SN					
2.5					5YR 5/4 Silty Clayey Sand	SN					
3.0					5YR 5/4 Silty Clayey Sand	SN					
3.5					5YR 5/4 Silty Clayey Sand	SN					
4.0					5YR 5/4 Silty Clayey Sand	SN					
4.5					5YR 5/4 Silty Clayey Sand	SN					
5.0					5YR 5/4 Silty Clayey Sand	SN					
5.5					5YR 5/4 Silty Clayey Sand	SN					
6.0					5YR 5/4 Silty Clayey Sand	SN					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION

T - TRENCHING

B - BOREHOLE

O - OTHER

Johnson 8/29/94
FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

C-147

SOIL BORING LOG

SITE ID: KRTL0154DATE: 8/29/94LOCATION ID: 0310BORE HOLE DEPTH (FT): 6BORE HOLE DIAMETER (IN): 2CONSTRUCTION METHOD: ALOCATION DESCRIPTION: 7COMMENTS: SSTM Add on. Approx 150' NE of well 1001. Approx 75' east of 0307+0308 North rim of crater, just inside.FIELD REPRESENTATIVE(S): Plan

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/ 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
1.5				100	Clayey Silty Sand 5YR 5/6	SC				Same cement	
1.0				100	Clayey Silty Sand 5YR 5/6	SC					
1.5				100	Clayey Silty Sand 5YR 5/6	SC					
2.0				100	Clayey Silty Sand 5YR 5/6	SC					
2.5				100	Clayey Silty Sand 5YR 5/6	SC					
3.0				100	Clayey Silty Sand 5YR 5/6	SC					
3.5				100	Clayey Silty Sand 5YR 5/6	SC					
4.0				100	Clayey Silty Sand 5YR 5/6	SC					
4.5				100	Clayey Silty Sand 5YR 5/6	SC					
5.0				100	Clayey Silty Sand 5YR 5/6	SC					
5.5				100	Clayey Silty Sand 5YR 7/2	SC				Some cementation	
6.0				100	Clayey Silty Sand 5YR 7/2	SC					

** SAMPLE METHODS

A - AUGER CUTTINGS
D - DRIVE TUBE
S - SHELBY TUBE
H - HAND SCOOP
O - OTHER

* CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
A - AUGERED OR BORED
C - CABLE TOOL
D - DUG
J - JETTED

P - AIR PERCUSSION
T - TRENCHING
B - BOREHOLE
O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE) Plan 8/29/94

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: ARTLD154 DATE: 10/12/94
 LOCATION ID: 0311 BORE HOLE DEPTH (FT): 2.0
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Background location 1/2 mile west of mile marker 6
along fence road. On southern border of ranch. Approx 1 mile ^{west} from main testing area
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): Pkm, JJ, RM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS / 6 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					Clayey, silty, sand 54R-6/4	sm					
1.0					Clayey, silty, sand 54R 6/4	sm				Some cemented pebbles	
1.5		0001	A	100%	Clayey, silty, sand 54R 6/4					Cemented pebbles	
2.0					Silty sand, 54R 7/3	sm				Carbonate cement	
										Made 2 boreholes to collect enough sample	

SAMPLE METHODS

A - AUGER CUTTINGS
 D - DRIVE TUBE
 S - SHELBY TUBE
 H - HAND SCOOP
 O - OTHER

CONSTRUCTION METHODS

R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED
 P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SOIL BORING LOG

SITE ID: KRTL0154 DATE: 10/12/94
 LOCATION ID: 0312 BORE HOLE DEPTH (FT): 3.5
 BORE HOLE DIAMETER (IN): 2 CONSTRUCTION METHOD: A
 LOCATION DESCRIPTION: Background location. ~1/4 mile west of Monitor
Well 1004, 90' south of cattle trail.
 COMMENTS: _____
 FIELD REPRESENTATIVE(S): PKM, TJ, RM

LITHOLOGIC LOG (FOR TRENCH, MAKE ADDITIONAL SKETCHES ON BACK AS NEEDED)

DEPTH INTERVAL (FT)	SAMPLE INTERVAL (FT)	SAMPLE ID	SAMPLE METHOD	SAMPLE RECOVERY (%)	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	CONSTRUCT WELL DATA	BLOWS/8 IN	WATER DEPTH/ REMARKS	ELEVATION (FT)
0.5					Clayey, silty, sand 54R 6/4	sm					
1.0					Clayey, silty, sand 54R 6/4	sm				Small carbonate cemented pebbles	
1.5-2.0					Clayey, silty, sand 54R 6/4	sm				"	
2.0-2.5		0001	A	100%	Clayey, silty, sand 54R 6/4	sm				"	
2.5-3.0					Silty sand 54R 7/3	sm				Carbonate cement	
3.0-3.5					Silty sand 54R 7/3	sm				Carbonate cement	

SAMPLE METHODS
 A - AUGER CUTTINGS
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CONSTRUCTION METHODS
 R - ROTARY (STATE ROTARY METHOD)
 A - AUGERED OR BORED
 C - CABLE TOOL
 D - DUG
 J - JETTED

P - AIR PERCUSSION
 T - TRENCHING
 B - BOREHOLE
 O - OTHER

[Signature] 10/12/94
 FORM COMPLETED BY: (SIGNATURE/DATE)

TECHNICAL REVIEWER: (SIGNATURE/DATE)

SURFACE WATER SAMPLING FIELD FORMSITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0166 SAMPLING PERIOD:SAMPLE ID: 1001 START: 1030SAMPLING METHOD*: G COMPLETE: 1030LOCATION DESCRIPTION: Equipment Blank - From bucket of backhoe.COMMENTS: ASTM Type II water poured into backhoe bucket, then collected in bottlesFIELD REPRESENTATIVE(S): Pkm, JJ**PARAMETER MEASUREMENTS:**

POTENTIAL OF HYDROGEN pH S.U. _____

SPECIFIC CONDUCTANCE Ec μ mhos/cm _____REDOX POTENTIAL Eh mvolts 2/4 _____

TEMPERATURE T °C _____

ALKALINITY (CaCO₃) ALK mg/l _____

DISSOLVED OXYGEN DO mg/l _____

*** SAMPLING METHODS:**

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

FORM COMPLETED BY (SIGNATURE/DATE) R. K. Min 9/7/94 TECHNICAL REVIEWER (SIGNATURE/DATE)

SURFACE WATER SAMPLING FIELD FORMSITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0246 SAMPLING PERIOD:SAMPLE ID: 1001 START: 1030SAMPLING METHOD*: G COMPLETE: 1070LOCATION DESCRIPTION: Equipment blank - Hand Auger BitCOMMENTS: ASTM Type II water poured through bit and collected in bottlesFIELD REPRESENTATIVE(S): Pkm, JJ**PARAMETER MEASUREMENTS:**

POTENTIAL OF HYDROGEN pH S.U. _____

SPECIFIC CONDUCTANCE Ec μ mhos/cm _____

REDOX POTENTIAL Eh mvolts _____

TEMPERATURE T °C _____

ALKALINITY (CaCO₃) ALK mg/l _____

DISSOLVED OXYGEN DO mg/l _____

*** SAMPLING METHODS:**

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

P. K. Miller 9/7/94
FORM COMPLETED BY (SIGNATURE/DATE)_____
TECHNICAL REVIEWER (SIGNATURE/DATE)

SURFACE WATER SAMPLING FIELD FORMSITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0246 SAMPLING PERIOD:SAMPLE ID: 2001 START: 1030SAMPLING METHOD*: G COMPLETE: 1030LOCATION DESCRIPTION: Ambient BlankCOMMENTS: ASTM Type II Water poured into bottles at location.FIELD REPRESENTATIVE(S): PKM, JT**PARAMETER MEASUREMENTS:**

POTENTIAL OF HYDROGEN pH S.U. _____

SPECIFIC CONDUCTANCE Ec μ mhos/cm _____

REDOX POTENTIAL Eh mvolts _____

TEMPERATURE T °C _____

ALKALINITY (CaCO₃) ALK mg/l _____

DISSOLVED OXYGEN DO mg/l _____

*** SAMPLING METHODS:**

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

PKM 9/7/94
FORM COMPLETED BY (SIGNATURE/DATE)_____
TECHNICAL REVIEWER (SIGNATURE/DATE)

SURFACE WATER SAMPLING FIELD FORMSITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0247 SAMPLING PERIOD: _____SAMPLE ID: 1001 START: 1030SAMPLING METHOD*: G COMPLETE: 1030LOCATION DESCRIPTION: Equipment Blank - Sampling ScoopCOMMENTS: ASTM Type II water poured into scoop and
then into bottlesFIELD REPRESENTATIVE(S): PKM, JJ**PARAMETER MEASUREMENTS:**

POTENTIAL OF HYDROGEN pH S.U. _____

SPECIFIC CONDUCTANCE Ec μ mhos/cm _____

REDOX POTENTIAL Eh mvolts _____

TEMPERATURE T °C _____

ALKALINITY (CaCO₃) ALK mg/l _____

DISSOLVED OXYGEN DO mg/l _____

• SAMPLING METHODS:

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

PKM 9/7/94
FORM COMPLETED BY (SIGNATURE/DATE)_____
TECHNICAL REVIEWER (SIGNATURE/DATE)

SURFACE WATER SAMPLING FIELD FORMSITE ID: KRTL0154 DATE: 9/7/94LOCATION ID: 0248 SAMPLING PERIOD:SAMPLE ID: 1001 START: 1030SAMPLING METHOD*: G- COMPLETE: 1030LOCATION DESCRIPTION: Equipment Blank - Sampling BowlCOMMENTS: ASTM Type II water poured into bowl, and then into bottlesFIELD REPRESENTATIVE(S): PKM, JT**PARAMETER MEASUREMENTS:**

POTENTIAL OF pH S.U. _____

HYDROGEN

SPECIFIC Ec μ mhos/cm _____

CONDUCTANCE

REDOX POTENTIAL Eh mvolts _____

TEMPERATURE T $^{\circ}$ C 20.5ALKALINITY (CaCO₃) ALK mg/l _____

DISSOLVED OXYGEN DO mg/l _____

*** SAMPLING METHODS:**

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

PKM 9/7/94
FORM COMPLETED BY (SIGNATURE/DATE)_____
TECHNICAL REVIEWER (SIGNATURE/DATE)

SURFACE WATER SAMPLING FIELD FORM

SITE ID: KRTLD154 DATE: 9/17/94

LOCATION ID: 0314 SAMPLING PERIOD:

SAMPLE ID: 0001 START: 0920

SAMPLING METHOD*: PP COMPLETE: 0935

LOCATION DESCRIPTION: Dirt Road to McCormick Ranch. Right side of road. Approx 3/4 mile southwest of turn from paved road.

COMMENTS: Filters used only for metals. Water had too much sediment, and clogged the filters very quickly.

FIELD REPRESENTATIVE(S): PKM, JT

PARAMETER MEASUREMENTS:

POTENTIAL OF HYDROGEN pH S.U. 9.36 / 18.5°C

SPECIFIC CONDUCTANCE Ec μ mhos/cm 153.5 μ S / 19.0°C

REDOX POTENTIAL Eh mvolts N/A

TEMPERATURE T °C 19

ALKALINITY (CaCO₃) ALK mg/l N/A

DISSOLVED OXYGEN DO mg/l N/A

• SAMPLING METHODS:

G - GRAB

PP - PERISTALTIC PUMP

O - OTHER (SPECIFY)

PKM 9/17/94 _____
FORM COMPLETED BY (SIGNATURE/DATE) TECHNICAL REVIEWER (SIGNATURE/DATE)

SURFACE WATER QUALITY SAMPLING RECORD

SITE ID KRTL0154LOG DATE 9/17/94LOCATION ID 0314**SAMPLING INFORMATION**WITHDRAWAL METHOD PDpH METER ID Corning pH meterFILTER SIZE .45 μ

PUMP ID _____

THERMOMETER ID _____ N/A

ALKALINITY KIT ID _____

Ec METER ID _____ N/AFIELD REPRESENTATIVE(S) PKM, JJINSTRUMENT(S) USED pH meter**CALIBRATION INFORMATION**DATE/TIME OF LAST Ec CALIBRATION N/A

TIME	pH METER STANDARDIZATION			COMMENTS
	4.00	7.00	10.00	
		<u>7.00</u>	<u>10.00</u>	<u>/19.7°C</u>

		A(MmV)	B(mBV)	T(°C)
ORP	INITIAL ZOBELL			
PROBE:	FINAL ZOBELL			

SHIPPING INFORMATION

LAB(S) SHIPPED TO: _____

DATE(S) SHIPPED: _____

METHOD OF SHIPMENT: _____

COMMENTS _____

D-7/D-8

INDEX

880 -
~~886~~ 3406 Bruce Dabb

Dick Ruddy - meet at Carlisle

at 10:00 r

escort out to site

Property of Peter Middlebrooks

Lus Alamos Technical Associates

Address 2400 Louisiana NE Bldg 1 Suite 400

Albuquerque, NM 87110

Telephone (505) 880-3438

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ant Surface, and is sewed with Nylon Water-
proof Thread.

8/24/94 McCormick Ranch ①

0630 Arrive at lab & begin loading vehicles.
0710 Leave for site.
0730 Arrive at site. Cut lock off of
storage bunker & moved
equipment into bunker.
0745 Jeff Johnson giving health
safety briefing to EOD, he gave
the H&S briefing to us on-site
yesterday at 0930.
0803 Leave for ART Test area
0808 Arrive at ART Test, begin
setting up to sample.
0820 Begin sampling 0276
It is the Newburns Rd
0915 Complete Sampling 0276
Sampled from 2.5 - 6.0'
0930 Leave to lab to get pipe wrenches
0950 At lab. Got wrenches, ordered
supplies
1030 Leave for site after talking
w/ Michelle Hedrick
1050 Decontam
1055 Setting up at ART site
1110 Begin EOD clearance

(2)

1112 Begin sampling 0278. Furthest New
of the pools

1145 Complete sampling, going back to decon

1148 Dig Decon

1215 Back at site. Break for lunch

1225 Starting to sample 0280

1255 Complete sampling 0280

1313 leave to decon

1325 Back to site

1330 Start sampling 0282

1405 Complete sampling 0282

1420 Leaving site to decon. Wind

blowing dust. Will stop searching
for the day.

1500 At trailer unloading equipment

1535 Leave for day

~~No further entries~~

8/24/94

~~K. M. M.~~

8/25/94 McCormick Ranch

(3)

0700 Arrive at trailer & load gear.

0710 Leave for site

0735 Arrive at site. Loading

equipment from bunker.

0740 Leave for ART Test site.

0743 At ART test site.

0745 Received H&S briefing. Setting up

0755 Start augering 0284

0830 Complete sampling 0284. Going to
decon

0852 Decon completed leaving for H&S

Area (Geophysical Area 1)

0900 At Area 1

0930 P Middlebrooks left site

Replaced by S. Gorin (H&S)

H&S briefing by J. Johnson

0935 Augering

1050 Completed 0081 and 0082

in Area 1. Decontaminating

sampling equipment

1119 Complete Decon - (returning
to Area 1)

Return R M

8/25/94

- ④
- 112Z Setting up to Ager
0083 and 0084
- 1200 Completed sampling
- 1205 Removing equipment
- 1220 Setting up to sample
@ 0085 and 0086
- 1235 Pete Middlebrooks
returned to site.
S. Garip headed to fire lab
while Pete M. replaces him
sampling
- 1255 taking background soil
sample. 0.8 miles west
of site along south boundary
road. ~100 meters north
of road. Marked
w/ stake painted orange

- 1315 Back at decon area. Leaving to
sample 0085 & 0086
- 1325 Getting up for 0086
- 1350 Sampling 0085
- 1400 Getting up at 0088
- 1410 Begin sampling
- 1415 Sampling 0088
- 1455 Leave to start decon
- 1515 Leave decon area for 0099
and 0090
- 1525 At 0090 getting up
- 1535 Start sampling 0090
- 1550 Complete sampling 0090.
- 1605 Leave site for trailer
- 1630 At trailer, completing forms
& unpacking samples.
- 1650 Leave site

Pete M. Middlebrooks
8/25/94

8/26/94

0650 Arrive at site Organizing equipment.
 0710 Leave for site w/ M. Hedrick & Col. Ristuch.
 0735 Arrive at site. Had a H&S briefing and start decan.
 0810 Leave for Geophysical Area 3.
 0815 At Area 3. Staking locations and setting EOD clearance.
 0840 Begin sampling 0151-0152
 0905 Complete sampling, moving to 1570-1574
 0935 Complete sampling. Going back to decan.
 1000 Perme-fix arrives w/ drums
 1010 Complete decan, going back to Area 3
 1015 Setting up for 0155-0158
 1110 Complete sampling 0155-0158
 1125 Going back to decan
 1140 Run w/ decan lunch break
 1150 Lunch over, setting up
 1240 Start sampling 0159-0162
 Complete sampling 0159-0162

1250 Back at decan area.
 1257 Decan completed. Going back to 0163-0165
 1305 At 0163-0165 Setting up & Sampling
 1345 scan area after sampling 0163-0165. Complete all
 Sampling at Geophysical area 3.
 1347 Leave for decan area.
 1355 Leave site
 1420 Back at office. Unloading samples and doing COCs.
 1430 Talking of Michael Hedrick about road survey/sampling.
 1550 Leave site.

~~ADJ. FULTON ENTERED~~

R. K. Mann 8/26/94

8/29/94

0700 At lab getting equipment loaded.

0715 Leave for site

0745 At site - Doing decon

0759 Complete decon. Going to SSTM

Add-on area for

stake locations

Start sampling at SSTM Add-on

0801, 0802

Complete sampling

At 0809, 0824 Setting up

Sampling 0803, 0804 completed

Going to decon

Done w/ decon. Back to SSTM Add-on

Back at Site. Setting up to sample

0805 + 0806

Complete 0805 → 0808. Duct to

decon area.

At decon area

Leave decon area for SSTM Add-on

At SSTM Add-on. Setting up to

sample 0809 + 0810

Leave 0809 + 0810 after sampling

Back to decon area

Back at decon area

1122 Leave decon area. Will check stakes at sampling areas, because cows are destroying them

1131 Checked areas. No stakes destroyed other than in geographical area 3. Leaving site for lab.

1155 At lab unloading equipment

1205 Lunch

1220 End lunch. Start completing forms

+ prepare to ship samples.

1550 Leave to send samples

1625 Samples dropped off at FedEx

9/19/94

Rick Mun

8/30/94

- 0700 Arrive at lab. Getting equipment organized.
 0710 JS arrives with storing salesman.
 0750 Leaving for site.
 0815 At site. Doing decon.
 0825 Leave for package site and
 DADS Area for CPD clearance.
 0833 At ^{package} ~~garage~~ site.
 0845 ^{package} ~~garage~~ site cleaned. Going into Area 5.
 For clearance
 0910 At area 5 getting COO clearances
 0913 Back at ^{garage} package site. Setting up to sample.
 1031 Leave area after sampling 0271-0275
 Back to decon.
 1036 At decon area
 1050 Leave decon area for Area 5
 1055 At Area 5 Setting up to sample
 1150 Back to decon after sampling
 Area 5 0225-0228
 1200 Done w/ decon.
 1205 At site eating lunch.
 1230 Prepare to sample

- 1320 Finish sampling 0229-0233.
 Going back to decon
 1330 At decon area
 1337 Leave decon area.
 1348 Back at Area 5. Will sample
 0234-0237.
 1448 Leaving Area 5 after sampling
 0234-0237
 1457 Leaving decon area after unloading
 equipment & re-packing samples.
 1503 Leave site.
 1530 Back at lab. Doing samples
 and packing bottles for SSIM Add on
 that will go to Quantara
 1630 Leave site.

John Keller 8/30/94

8/31/94

0700 Arrive at lab. Load van with equipment
 0726 Leave for site
 0734 Arrive at decan area. Unloading equipment + decaning.
 0758 Leave for H. Fi. area for 100 cleaners
 0815 Complete 100 cleaners of H. Fi. area
 0845-0915 Complete sampling 0238-0241
 0915 Going back to decan.
 0923 Back at decan area
 0934 Decan complete. Leave for Area 5
 0940 At Area 5 setting up for sample
 1045 0242-0245.
 Leave for decan area after sampling
 0242-0245. Done w/ Area 5.
 1050 Doing decan
 1102 Decan complete. Switched out coolers. Leaving for H. Fi. area
 1110 At H. Fi. Setting up to sample
 0286-0289
 1203 Sampling of 0286-0289 complete.
 Leaving for decan area.
 At decan area
 Leave decan area for site (H. Fi.)

1225 At H. Fi. Area... Eating lunch.
 1242 Finished with lunch. Start sampling 0290-0293
 1325 Done w/ 0290-0293. Going back to decan
 1337 At decan area
 1342 leave decan area for H. Fi.
 1350 At H. Fi. Setting up to sample
 0294 & 0295.
 1412 Complete sampling 0294-0295.
 Going back to decan area
 1416 At decan area dropping off equipment
 1420 picking up cooler
 1420 Leave for laboratory.
 1445 At laboratory. Unloading, packing samples
 1550 Leave for day

L. K. Min 8/31/94

9/1/94

- 0650 Arrive at Lab. Load vehicle
 0700 Leave for Micromide Ranch
 0725 Arrive at Site. Doing Decon.
 0740 Leave to clear DST test,
 Generator pit, gravel pit, & Dip 5
 Finished w/ clearance w/ Eon staff
 Start Sampling DIPS Area
 0251 - 0254
 0931 Finish 0251-0254. Going back to
 Decon Area.
 0945 At Decon area.
 0958 Leave Decon area for DIPS.
 1005 At Dip 5. Setting up for
 Sample 0255-0258.
 1107 Leave after sampling 0255-0258
 *** Found metallic residues in
 0258 at 2-2.5'. Collected
 Sample, with ID #0251.
 from 2.5-6'. called sample ID #002.
 1115 Back at Decon area.
 1120 Leave Decon area for DIPS
 1132 At DIPS setting up for 0259-0262
 1225 Complete 0259-0262
 *** Saw small block of archaic residue
 in 0262

- 1231 At Decon area.
 1239 Leave Decon area for DIPS.
 1245 At Dip 5. Sampling 0263-0265
 1318 Leave Dip 5 after sampling 0263-0265.
 1325 Dropping off gear at Decon area.
 picking up cooler
 Leave site.
 1330 At Lab. Lunch.
 1400 Lunch Over. Unloading &
 Packing Samples.
 1515 Sample Packing is Complete.
 1520 Leave site for day

9/5/94

9/2/94

0 0645 Arrived site Filling water
 0 0645 just loading vehicle
 07 0710 Leave for site
 07 0735 Arrive at site. doing decon
 08 0800 Leave for gravel pit.
 08 0807 At gravel pit. Setting up
 09 0915 For 0246-0250
 09 0915 Leave gravel pit after
 09 0930 completing site (0246-0250)
 09 0930 Going back to decon.
 09 0930 Done w/ decon. Going to
 10 0935 generator site.
 10 0935 At generator site. Setting up
 10 1040 to sample 0266-0270.
 10 1040 Complete sampling 0266-0270.
 10 1045 will go back to decon.
 10 1045 Deconing.
 10 1055 Leave for DCT West Area
 11 1104 At DCT West. Setting up
 11 1115 for sample 0296-0300
 11 1126 Complete DCT West. Going
 11 1132 back to decon area.
 11 1205 At decon area. (leaving up
 11 1220 Leave site

1230 At lunch
 1330 Leave lunch
 1340 At lab. Packaging samples for
 shipment.
 1445 Leave lab for FedEx

9/2/94 R-K-M

9/6/54

0640 Arrive at lab. Organizing equipment
 0700 Leave to Carliole gate
 meet Quick-shore people
 0710 Leave to take Quick-shore to the side.
 0740 At site. Dropping off Quick-shore at Chebs Area.
 0805 Start EDD clearance of all 4 franchising areas.
 0905 Complete EDD clearance (pre-screening).
 Doing recon for water sampling
 0930 Leave site to pick up bottles at GRAM.
 1005 At Gram, getting bottles
 1024 Leave GRAM for field lab.
 1042 At field lab. Checking our monitoring instruments.
 1130 Lunch
 1145 Lunch over Start picking samples.
 1310 Leave for FedEx
 1340 At Fed Ex after picking up cover.
 1400 At Gram Talking with Regional hydro people

1420 Leave for site.
 1435 At site. Waiting for backhoe operator.
 1510 Backhoe operator arrives. Going to drop off bottles.
 1530 At decon pad. Looking for backhoe support vehicle.
 1540 Found operator. Leaving for site with decon pad waterbomb.
 1615 At site. Organizing equipment.
 1630 Leave site.
 1650 At field lab.
 1655 Leave for day

R. K. Min 9/6/54

9/7/94

0800 Arrive at FST for pit test
 0810 Leave after getting pit test
 0925 Through Turkish gate -
 0945 At site. Preparing to take
 equipment blanks. Contractors
 doing clean on backhoe
 1030 Begin collecting following blanks:
 Auger 0246-1001
 Scoop 0247-1001
 Bowl 0248-1001
 Backhoe 0166-1001
 Ambient Conditions 0246-2001.
 1155 Done w/ blank collection.
 Preparing to leave for site
 Water bottles left
 1 L Amber 20 Explosive, SVOC
 12 Poly 7 Rocks
 .5 L poly 5 NO3/NO2
 .25 L amber 5 mercury
 .5 L poly 5 cyanide
 1 L poly 2 metals, metals add-on

1205 At Chubs over setting up
 1220 Start Trenching N-S trench
 in Area 4. Sampling from
 0166-0185
 1600 Complete sampling N-S trench
 at Area 4. Trenched to 6',
 reached native soils at 3'.
 1610 Leave site for lab
 1635 At lab. Packaging samples.
 1745 Leave lab for Fed Ex.
 1810 At Fed Ex. Picking off samples

K. K. Miller 9/7/94

9/8/94

- 0700 Arrive at lab. Loading equipment.
 0705 Leave for site
 0730 At site. Doing Decon
 0755 Decon completed. Leaving for Trenching Area 4.
 0800 At trenching Area 4. Setting up to start E-W trenching.
 Photos (Trenching Area 4) 9/08/94
- 1) N-S trench from south 6' deep
 - 2) South end of N/S trench. Cables
 - 3) West side of N/S trench. Showing contact of silty sand w/ cemented layers at 3'. Shows native soils.
 - 4) N/S trench from North
 - 5) E-W trench 0-3'. From E View of cables
 - 6) E-W trench 0-3'. From E View of cables
 - 7) E-W clearing trench at 3'
 - 8) E-W Trench. SE wall. Showing contact at 1 1/2 - 2' w/ native soil
 - 9) Collecting sample 0191 in trench
 - 10) Collecting sample 0191 in trench
 - 11) E-W Trench to 6'. From East side. Shows cable + cement layer
 - 12) E-W Trench to 6'. From north. Shows cementation contact at 3'.

- 1145 Complete sampling E-W trench at Geophysical Area 4. Sampled to 6'. H.T. native soils at 2-3'. Collected 0186 - 0205.
 1200 Decon completed. Leaving site for lab.
 1225 At lab. Unloading samples and doing rad surveying / sampling.
- Rad Sample #
- Location Composite
- 0317-0001 Area 1 Hand Auger
 0317-0002 Area 1 Hand Auger Dup.
 0318-0001 Area 3 Hand Auger
 0319-0001 Area 5
 0320-0001 Gravel Pit
 0321-0001 Rip S
 0322-0001 Generator Site
 0323-0001 Fuelage
 0323-0002 Fuelage Duplicate
 0324-0001 Art Test
 0324-0001 w/mud Art Test w/mud
 0325-0001 H. Fi
 0326-0001 DCT Heat
 0327-0001 SSTW Add-On
- 1430 Leave site for Day

R. E. Mue 9/8/94

9/9/94

0700 Arrive at lab. Loading equipment
0705 Leave for site. Will start

Trenching Area 3 and resample
0266 & 0296 (which reached the
lab at 9°C)

0710 At site. Dory Dean
0740 Leave for Trenching Area 3

0750 At Trenching Area 3. Beginning
to trench the N-S trench
20E, 20N to 20E, 41.5N

1045 Complete trenching the N-S trench

Sampled 0086-0105
Trench total depth of 9'

Saw Native soil at 5-6'
on West side of trench and
2-8' on the east side of trench

Obvious ground disturbance had
been filled in

1115 Leave Trenching Area 3 after
filling in & marking trench

1120 At Generator site. Re-sampling
0266.

1125 Leave 0266. Car DCT - Head
1130 At 0296 sitting up

1140 Complete sampling 0296 at
DCT - Head. Going back to Decan
area

1141 At decan area. Unloading equipment
1145 Leave site for lab

1240 At lab. Unloading & checking in samples
1230 Lunch

1245 Lunch over. Going to Gram.

1245 Back from Gram w/ coolers & bottles.
Picking samples from Trenching Area 4

1540 Done packing samples. Finished for day

9/9/94 RSK. Mun

9/12/94

- 0650 Arrive at lab. Loading vehicle.
 0705 Leave for site.
 0735 At site. Loading vehicle & doing decon.
 0752 Leave for site of Area 2.
 0755 At geophysical area 2, trenching area 3.
 Will sample E-W trench.
 Trench will be from 20E, 415N to 5E, 415N.
 Sample #5 0111-0130

Photos

- 13) Trenching Area 3 E-W Trench 0-3' showing clayey sandy soils to 3' throughout.
 14) Trenching Area 3 E-W Trench 6' showing soil horizons from south side of trench. Same as 14' Trench at 6' from the east.
 15) Complete sampling E-W trench at geophy. loc. Area 2, Trenching Area 3. Went to 6'. Sampled 0111-0130

- 1050 Back at bunker. Doing decon on bikehive & sampling equipment.
 1140 Leave to Trenching Area 2 to start trenching there.
 1150 Start trenching at TA 2.
 N/S Trench. 70E, 265N → 70E, 280N
 Hit large quantities of burned debris (wood, cable, spools) at 3' in south portion of trench.
 Move trench to 70E, 270N → 70E, 285N

Photos

- 17) Trench from 0-3' from south. Showing cables/debris
 18) Trench from 0-6' from south. Showing debris
 19) Same as 18
 20) Cables on south side of trench
 21) Debris on north wall of trench
 22) Black burned layer on east wall of trench at 4' depth
 23) North side of N/S trench at 9'
 24) South side of N/S trench at 9'
 25) Trench at 9' (full length) taken from South side.

1430

Complete sampling the N/S trench at Trenching Area 2. Hit native soils at 6-7', so took trench to 9'. Area of burning and debris buried. Sampled 0041-0060.

1445

Trench filled & started going back to decompress to load coolers.

1500

Leave site for day

1520

At lab. Checking in samples

1550

Done for day.

9/10/94

0650 Arrive at lab. Loading coolers and water sampling equipment leave for site.

0705

0735 Arrive at site. Preparing bottles for water sampling

0855

Leave to start water sampling

0910

At background site (0314)

approx 3/4 mile onto dirt road from Juler tower paved road

0920

Begin sampling 0314

0935

Complete sampling 0314. Doing

field measurements & loading car

0945

Leave for site to do on-site

water sampling

1005

Locations marked for water sampling have dried up. No more water

sampling today. Back to

down bunker to unload equipment

& prepare for trenching.

1030

Leave for Trenching Area 2 to

do the E-W trench

Start trenching.

1040

John

9/10/94

Photos

- 1) Trenching Area 2.
from East
- 2) TAZ E-W
- 3) TAZ E-W
- 4) TAZ E-W

E-W Trench. 0-3'
0-6' from North.
0-6' from South
0-4' from East

1400 Complete trenching E-W trench
went to 9'. Hit native soils
at 6-7'. Filling trench

1420 Complete filling trench + moving
shoring equipment back to decommission.

1430 Leave site

1500 At Lab. Packing samples for

shipment

1700 Leave lab for Fed Ex

1730 Finish at Fed Ex

9/14/94

- 0615 Arrive at lab. Loading equipment
- 0628 Leave for site
- 0655 At second bunker. Doing decon
of sampling equipment and bunker
- 0755 Leave for Trenching Area 1,
Geophysical Area 1.

Photos

- 5) TAZ E-W 0-6' Showing large
cement/rebar debris on east side
and other debris throughout from
4-6' below surface

6) Same as 5

7) Same as 5

8) TAZ E-W 0-9' From E

9) TAZ E-W 0-9' From N

1200 Finish E-W trench. Sampled
0001-0020. Stopped at 12'
Still in debris. Reached limit
of bunker

1230 Start trenching N-S trench

Sh. E. Min

Photo 2

- 10) Geophysical Area 1 Trenching Area 1
N/S trench 0-6' from South
Showing concrete structure in N 1/2
of trench!
- 11) TA 1 0-6' from west. Close-up
of debris, concrete
- 12) TA 1 0-6' from east. Showing
native soils at 5'
- 13) TA 1 0-6' from north. Showing
length of trench

- 1430 Complete sampling N/S trench.
Hit concrete on South side at 3'
Hit concrete on North side at 4'
Hit native soils on South side at 5'
Could not get past concrete on
North side. Stopped at 6'
- 1440 Back at decon area. Fishing
decon of backhoe prior to releasing
backhoe from Mulberry ranch site
Leave site
- 1445 At lab. Unloading gear & putting
samples
- 1505 Complete building samples. Done
for day

9/14/97

P.K. Min

9/15/97

- 0715 Arrive at lab. Organizing equipment
- 0730 Leave for site
- 0755 Arrive at site. Will load up quickshovel
on dealers truck.
- 0815 Done loading shoring materials.
- 0820 At decon area. Getting keys
- 0825 At Area 2. Dirty clearance w/ EOD.
- 0855 Back at decon area. Dirty decon.
- 0925 At Area 2. Getting up to sample
numbers 0131-0134.
- 1015 Complete 0131-0134. Decon area.
- 1032 Leave decon area. Back 0135-0138.
- 1035 Start sampling 0135-0138.
- 1110 Complete sampling 0138-0139.
- Going back to decon area.
- 1115 At decon area.
- 1125 Leave decon area. Back 0139-0142.
- 1140 Start sampling 0139-0142.
- 1220 Complete sampling 0142-0144.
- 1230 Arrive back with unloading loading gear.
- 1235 Leave site.
- 1355 Back at lab.
- 1400 Complete picking samples. Done for day

9/15/97

P.K. Min

9/16/84

- 0650 Arrive at lab. Load vehicle
 0705 Leave for site
 0733 At site. Getting EOD clearance
 of Geophysical Area 4.
 0800 Done w/ EOD clearance. Buckle
 down.
 0815 Done w/ decon. Leave for Area 2.
 0820 At Area 2. Sampling 0143-0146 at
 Desert floor.
 0905 Complete 0143-0146. Going back
 to decon.
 0920 Decon complete. Going back to
 Finish Area 2 (0147-0150)
 0925 Start sampling 0147-0150
 1010 Complete sampling 0147-0150.
 Area 2 is completed. Back to decon.
 1023 Decon completed. Going to Area 4.
 1025 At Area 4. Starting 0200-0201
 1105 Complete 0200-0201. Back to decon
 1115 Decon completed. Headed back
 to decon 0210-0213.
 1117 At Area 4. Starting to sample
 0210-0213.
 1200 Complete sampling 0210-0213.

- 1205 At decon area. Unloading gear
 1210 Leave site.
 1245 ~~Leave site~~ from Arrive at lab.
 Unload and pack samples.
 1350 Leave lab for Fed Ex

9/16/84

Pat M. Davis

9/19/94

0650 Arrive at lab & loading equipment
 0705 Leave for site
 0732 Arrive at site
 0750 Leave for area
 0800 Start sampling 0214-0217
 110832 Complete 0214-0217. Going back to decan.
 0835 Back at decan area.
 10845 Decan complete. Leave to do 0218-0221.
 10850 Start 0218-0221
 10970 Complete 0218-0221. Going back to decan
 10933 At decan area.
 10947 Leave decan area for 0222-0225
 0950 At 0222-0225. Setting up to sample
 1030 Complete sampling 0222-0225.
 1035 Back at decan area doing final decan & cleaning up.
 1115 Leave site

Mark Mun 9/19/94

9/20/94

0650 Arrive at lab. Doing Rad Fumery
 0805 Complete rad fumery & sampling for 0329-0332
 0840 Finish dropping off rad samples w/ Capt Adams. Signed over samples to him
 0845 Check at lab. Loading samples from Trenching Areas 1, 2, & 3 to take back to field
 1245 Done w/ Sample transfer & held for day. Will pack samples now.
 1350 Done packing samples with take. Samples to Fed Ex.

Mark Mun 9/20/94

9/21/94

0630 Arrived Lab. Loading equipment. Will take remaining samples outside field.
 0720 Leave for site.
 0755 At site. Unloading samples.
 0930 Sample unloading complete. Going back to lab.
 1000 At lab. Unloading equipment.
 1005 Leave for site to get other sampling equipment and transfer it back to lab.
 1035 At site. Loading equipment.
 1055 Leave site.
 1115 At lab. Unloading equipment.
 1235 Leave for GRAM Inc. to drop off equipment.
 1400 Back at lab after dropping off equipment. Loading vehicles again.
 0420 Leave for day.

DeWitt copy

10/12/94

0900 Leave for McCormick Ranch to collect background samples. Picked up carload of all sampling equipment. All equipment had been cleaned on 9/19/94 & put in storage.
 0935 At site. At background location 0311 along beach fence line.
 0945 Collecting Sample 0311-0001.
 0955 Leave for background location 0312.
 1005 At location 0312, 1/4 mile west of well 1004.
 1010 Collecting 0312-0001.
 1020 Leave site to package samples.
 1055 Packaging samples.
 1150 Sample packaging complete. GRAM will ship the samples.

DeWitt 10/12/94